

No. 004

24-month Chronic and Carcinogenic Inhalation Toxicological Study of
Methanol in Fischer Rats

(Vol. 6)

Individual Food Consumption Rate
Individual Laboratory Test Results
Individual Organ Weight
Individual Organ Weight to Body Weight Ratio

September 30, 1985

Mitsubishi Chemical Safety Institute, Ltd.

Table of Contents

1. Individual Food Consumption Data	
Male	1 – 16
Female	17 – 32
2. Individual Urinalysis Data	33 – 48
3. Individual Hematological Data	49 – 72
4. Individual Hemogram 1 (Differential Leucocytes Count)	73 – 97
5. Individual Hemogram 2 (Leucocytes Count)	98 – 122
6. Individual Biochemical Data	123 – 170
7. Individual Organ Weight Data	171 – 218
8. Individual Organ Weight to Body Weight Ratio Data	219 – 266

APPENDIX 4-M1-1

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Food Consumption Data

Level and Sex : 0 ppm Male

Experimental No. 82014

Food Consumption (g/Animal/Day)

Cage Number	(Day)									
	7	14	21	28	35	42	49	56		
1	14.9	17.0	17.7	17.3	17.6	17.4	17.8	17.5		
2	15.8	17.0	18.6	18.6	18.5	17.3	16.9	17.0		
3	14.2	15.6	16.8	18.0	18.1	16.2	16.2	16.7		
4	15.2	16.3	16.4	17.6	17.2	17.0	16.4	15.3		
5	16.4	18.7	19.1	19.0	19.3	18.8	18.6	19.4		
6	16.2	16.0	19.5	18.3	17.7	16.9	16.8	17.5		
7	15.4	16.4	17.0	18.1	17.9	17.5	17.3	18.1		
8	16.4	18.7	19.9	18.5	18.0	17.4	17.9	18.1		
9	16.1	17.1	18.2	18.2	17.8	17.1	16.5	17.0		
10	16.0	17.7	18.9	19.2	17.8	17.9	18.5	19.6		
11	14.8	15.9	16.1	17.0	17.1	16.8	17.2	16.6		
12	16.3	17.5	20.0	17.7	17.3	17.7	18.0	18.0		
Mean	15.64	16.99	18.18	18.13	17.86	17.33	17.34	17.57		
N	12	12	12	12	12	12	12	12		
S.D.	0.729	1.025	1.368	0.657	0.602	0.644	0.814	1.196		

APPENDIX 4-M1-2

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Food Consumption Data

Level and Sex : 0 ppm Male

Experimental No. 82014

Food Consumption (g/Animal/Day)

Cage Number	(Day)											
	63	70	77	84	91	119	154	182				
1	17.8	19.3	16.5	17.7	16.9	15.8	16.9	19.0				
2	17.2	18.3	16.8	17.7	17.8	16.8	16.6	17.4				
3	15.8	15.9	16.5	16.6	15.7	15.1	15.8	15.6				
4	16.9	17.3	17.4	17.1	17.5	17.0	17.4	16.5				
5	18.9	18.9	19.0	17.3	18.3	17.8	19.1	19.7				
6	17.9	19.3	17.3	17.7	16.8	16.6	19.4	16.8				
7	17.2	18.7	18.3	17.5	17.5	16.4	15.3	17.5				
8	18.2	19.4	17.6	16.9	17.2	16.3	17.9	18.1				
9	16.7	17.4	17.1	17.1	17.5	16.5	17.6	17.5				
10	18.8	18.0	18.4	17.8	17.6	16.3	15.9	19.6				
11	17.1	16.4	16.4	17.1	17.4	15.9	16.5	16.9				
12	17.5	16.2	17.1	18.4	18.1	16.6	18.6	16.7				
Mean	17.50	17.93	17.37	17.41	17.36	16.43	17.25	17.61				
N	12	12	12	12	12	12	12	12				
S.D.	0.885	1.269	0.829	0.487	0.678	0.666	1.324	1.273				

APPENDIX 4-M1-3

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Food Consumption Data

Level and Sex : 0 ppm Male

Experimental No. 82014

Food Consumption (g/Animal/Day)

Cage Number	(Day)											
	210	245	273	301	365	392	483	518				
1	18.3	16.5	17.8	16.5	16.1	17.0	15.9	16.3				
2	17.4	16.9	17.1	16.2	15.6	17.0	15.1	16.1				
3	16.7	16.5	16.1	15.6	15.3	15.8	15.1	15.0				
4	17.7	16.3	16.6	16.6	15.6	16.4	13.7	14.2				
5	17.7	17.3	18.1	16.9	16.5	17.6	16.0	16.2				
6	16.7	15.7	17.8	15.8	15.2	16.8	14.0	15.5				
7	17.7	16.2	17.2	16.3	15.0	16.5	15.2	14.8				
8	17.1	16.3	17.3	16.1	14.1	16.5	15.2	16.0				
9	16.5	15.7	16.8	15.1	14.2	17.3	15.2	15.8				
10	17.3	17.8	17.5	17.0	17.3	17.9	17.4	17.3				
11	16.8	16.8	17.5	16.4	16.1	16.6	16.6	15.2				
12	17.3	18.0	17.5	17.9	17.0	11.2	18.0	17.8				
Mean	17.27	16.67	17.28	16.37	15.67	16.38	15.62	15.85				
N	12	12	12	12	12	12	12	12				
S.D.	0.533	0.735	0.563	0.722	0.997	1.728	1.258	1.018				

APPENDIX 4-M1-4

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Food Consumption Data

Level and Sex : 0 ppm Male

Experimental No. 82014

Food Consumption (g/Animal/Day)

Cage Number	(Day)						
	546	574	609	637	665	700	728
1	17.1	17.0	14.3	18.4	17.9	19.5	15.9
2	17.4	16.7	14.7	16.4	16.8	16.4	15.0
3	15.7	15.7	16.5	16.4	17.0	16.4	16.9
4	16.8	15.3	14.3	17.7	17.0	17.0	15.4
5	16.5	16.9	16.2	17.4	17.8	17.4	15.4
6	15.9	15.6	14.0	17.1	16.9	15.8	15.3
7	16.1	16.2	16.6	16.6	15.0	13.5	15.4
8	16.5	16.5	16.8	16.4	15.3	16.3	14.6
9	16.2	15.3	16.0	17.6	17.0	17.7	17.6
10	17.5	18.2	M	20.7	8.5	X	
11	18.3	17.3	17.5	18.1	16.7	18.2	16.6
12	18.5	18.5	20.3	18.8	15.5	18.9	18.0
Mean	16.88	16.60	16.11	17.63	15.95	17.01	16.01
N	12	12	11	12	12	11	11
S.D.	0.908	1.057	1.827	1.263	2.518	1.639	1.108

X : No animal existed, M :Not measured because of operational mistake

APPENDIX 4-M2-1

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Food Consumption Data

Level and Sex : 10 ppm Male

Experimental No. 82014

Food Consumption (g/Animal/Day)

Cage Number	(Day)						
	7	14	21	28	35	42	49
101	15.2	16.7	17.2	18.2	19.1	18.8	18.6
102	15.3	17.0	18.3	18.4	18.2	18.3	18.5
103	16.1	16.9	18.4	18.7	18.5	17.6	17.6
104	14.4	15.5	16.4	17.5	18.0	17.2	17.4
105	15.7	17.8	17.7	18.8	18.0	17.1	17.6
106	15.9	17.1	18.6	20.7	20.9	19.1	19.2
107	15.7	17.3	18.0	19.1	18.2	18.7	18.9
108	15.4	16.1	16.9	17.9	16.8	17.0	16.5
109	16.5	18.7	19.0	20.8	20.1	18.6	19.2
110	16.6	18.5	20.1	19.8	21.0	19.0	19.1
111	16.5	17.6	19.5	20.3	19.6	16.2	19.8
112	16.5	17.6	19.1	19.6	19.2	18.9	18.9
Mean	15.82	17.23	18.27	19.15	18.97	18.04	18.44
N	12	12	12	12	12	12	12
S.D.	0.671	0.910	1.092	1.093	1.264	0.974	0.961

APPENDIX 4-M2-2

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Food Consumption Data

Level and Sex : 10 ppm Male

Experimental No. 82014

Food Consumption (g/Animal/Day)

Cage

(Day)

Number

182

154

119

91

84

77

70

63

101

17.7

17.4

16.6

19.0

18.5

17.5

17.7

17.8

102

19.5

18.8

17.0

18.6

19.3

17.8

17.7

17.7

103

17.7

17.7

16.0

16.6

17.4

17.1

17.1

17.4

104

17.2

17.9

16.0

18.1

17.9

16.7

17.9

17.6

105

17.6

17.2

16.1

17.5

17.9

17.4

17.3

17.9

106

21.1

19.5

17.4

18.8

18.9

18.2

18.1

19.0

107

19.9

18.4

16.7

17.9

18.3

18.0

19.0

19.3

108

18.2

17.6

16.4

18.4

19.3

17.7

18.2

16.8

109

19.7

18.4

15.6

18.3

18.6

17.6

18.2

18.2

110

19.3

18.5

17.6

18.2

18.4

17.6

19.5

18.9

111

21.1

18.0

16.8

20.0

19.5

18.5

18.0

18.6

112

21.3

19.2

17.6

18.6

19.5

18.5

19.3

18.6

Mean

19.19

18.22

16.65

18.33

18.63

17.72

18.17

18.15

N

12

12

12

12

12

12

12

12

S.D.

1.493

0.713

0.663

0.828

0.690

0.534

0.750

0.744

APPENDIX

4-M2-3

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Food Consumption Data

Level and Sex : 10 ppm Male

Experimental No. 82014

Food Consumption (g/Animal/Day)

Cage

(Day)

Number

210

245

273

301

365

392

483

518

101	16.9	16.9	18.0	17.9	14.7	17.7	17.7	17.7	16.8
102	18.1	17.5	17.8	17.0	15.5	17.3	17.3	18.0	17.5
103	16.0	16.8	16.5	16.3	15.0	17.2	17.2	17.0	17.1
104	16.3	16.2	15.4	16.3	14.6	17.6	17.6	16.4	16.2
105	15.7	15.8	16.3	16.2	13.6	16.6	16.6	15.8	16.2
106	17.5	15.9	18.0	17.8	15.8	17.8	17.8	14.8	13.7
107	17.6	16.6	17.5	18.3	15.7	17.6	17.6	17.0	18.0
108	16.2	16.0	16.0	16.4	14.3	16.4	16.4	16.2	17.7
109	17.8	17.6	16.6	17.6	16.5	17.8	17.8	16.9	16.3
110	18.2	16.4	17.2	18.6	16.5	17.6	17.6	17.8	17.8
111	17.1	16.9	18.5	17.8	15.9	17.6	17.6	17.4	15.5
112	17.6	18.4	20.6	18.9	16.4	18.9	18.9	19.4	18.1
Mean	17.08	16.75	17.37	17.43	15.38	17.51	17.51	17.03	16.74
N	12	12	12	12	12	12	12	12	12
S.D.	0.854	0.780	1.381	0.959	0.937	0.630	0.630	1.180	1.270

APPENDIX 4-M2-4

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Food Consumption Data

Level and Sex : 10 ppm Male

Experimental No. 82014

Food Consumption (g/Animal/Day)

Cage

Number	546	574	609	637	665	700	728
	(Day)						
101	18.4	17.9	18.4	17.9	17.7	18.2	18.8
102	14.8	17.6	18.0	18.2	16.9	16.4	16.2
103	17.0	17.8	18.3	16.3	16.4	16.9	18.6
104	17.9	17.5	17.8	16.9	18.2	17.2	18.1
105	16.6	17.9	17.4	15.1	9.2	17.1	15.0
106	16.0	18.8	16.5	18.6	16.2	17.1	17.4
107	17.8	18.3	19.5	18.5	18.1	13.5	17.0
108	17.7	18.4	17.6	18.2	18.1	17.8	17.3
109	16.8	15.0	19.2	17.9	14.7	17.3	17.1
110	18.5	18.3	19.4	17.9	18.4	18.4	20.4
111	18.3	18.9	20.2	18.8	18.3	16.7	18.5
112	18.0	19.0	19.7	17.3	18.9	18.2	17.1
Mean	17.32	17.95	18.50	17.63	16.76	17.07	17.63
N	12	12	12	12	12	12	12
S.D.	1.115	1.054	1.105	1.076	2.664	1.289	1.383

APPENDIX 4-M3-1

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Food Consumption Data

Level and Sex : 100 ppm Male

Experimental No. 82014

Cage Number	Food Consumption (g/Animal/Day)									
	(Day)									
	7	14	21	28	35	42	49	56		
201	14.9	17.4	17.4	18.0	17.8	17.9	17.8	18.3		
202	15.9	17.5	18.3	18.6	19.1	17.7	17.9	17.7		
203	16.5	17.5	18.6	19.1	19.6	18.8	17.8	18.6		
204	16.9	19.0	19.2	19.9	20.8	19.1	18.2	19.1		
205	16.1	18.1	18.3	18.0	19.4	19.3	19.2	18.4		
206	15.6	17.3	17.6	17.5	18.2	17.7	17.8	18.0		
207	16.2	17.9	17.8	18.4	18.8	19.4	19.3	18.8		
208	16.0	16.9	17.5	18.5	18.8	18.2	17.8	18.3		
209	16.0	16.8	17.4	16.9	17.3	17.7	17.7	17.7		
210	15.3	17.1	16.8	17.3	17.8	17.4	16.9	17.1		
211	15.2	16.6	17.2	17.5	18.5	17.4	17.9	18.1		
212	15.9	16.7	17.4	17.5	18.5	18.5	18.5	18.5		
Mean	15.88	17.40	17.79	18.10	18.72	18.26	18.07	18.22		
N	12	12	12	12	12	12	12	12		
S.D.	0.559	0.685	0.679	0.849	0.944	0.738	0.664	0.542		

APPENDIX 4-M3-2

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Food Consumption Data

Level and Sex : 100 ppm Male

Experimental No. 82014

Food Consumption (g/Animal/Day)

Cage

Number	63	70	77	84	91	119	154	182
201	18.1	17.3	17.4	17.5	18.8	15.0	18.3	16.9
202	18.0	17.3	17.0	17.1	18.2	18.0	18.7	19.3
203	18.1	17.5	18.1	18.2	19.1	17.2	17.7	19.1
204	19.2	19.3	18.6	18.7	18.2	19.7	20.0	20.3
205	18.9	18.2	18.5	18.6	18.5	17.1	18.8	20.2
206	17.7	17.2	17.3	17.4	18.0	16.6	18.0	18.6
207	18.3	18.0	18.3	18.2	16.8	17.8	17.5	19.5
208	17.9	18.0	17.6	17.9	18.8	15.7	17.7	19.5
209	17.2	17.1	18.0	18.0	19.2	17.0	18.4	18.8
210	16.8	17.1	16.5	17.7	17.4	15.8	17.3	18.7
211	18.4	17.8	18.8	18.2	18.8	16.8	18.4	19.1
212	17.9	18.0	17.9	18.7	13.3	16.9	19.3	19.8
Mean	18.04	17.73	17.83	18.02	17.93	16.97	18.34	19.15
N	12	12	12	12	12	12	12	12
S.D.	0.653	0.633	0.693	0.520	1.616	1.218	0.783	0.895

APPENDIX 4-M3-3

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Food Consumption Data

Level and Sex : 100 ppm Male

Experimental No. 82014

Food Consumption (g/Animal/Day)

Cage Number	(Day)									
	210	245	273	301	365	392	483	518		
201	18.3	16.7	17.6	16.6	15.2	17.1	17.0	17.6		
202	19.1	17.6	17.9	18.1	16.4	17.5	17.3	17.2		
203	17.1	17.7	17.5	16.4	16.5	16.1	16.3	16.2		
204	19.7	18.0	18.7	17.6	16.1	16.7	16.4	16.1		
205	17.4	15.2	16.3	17.0	14.4	16.3	16.4	16.2		
206	17.2	15.5	17.1	17.1	15.3	16.8	16.6	16.0		
207	17.0	15.6	16.7	16.8	15.9	16.7	17.2	16.6		
208	17.0	15.9	17.0	16.5	14.3	16.4	16.7	16.5		
209	17.6	17.5	16.5	17.1	15.8	15.6	15.2	16.2		
210	16.6	15.4	16.4	15.0	15.5	15.8	17.1	17.6		
211	17.0	17.0	17.8	17.0	15.6	16.9	16.7	17.1		
212	18.5	16.7	18.0	17.2	16.6	18.3	19.0	18.4		
Mean	17.71	16.57	17.29	16.87	15.63	16.68	16.83	16.81		
N	12	12	12	12	12	12	12	12		
S.D.	0.970	1.011	0.746	0.752	0.751	0.741	0.882	0.765		

APPENDIX 4-M3-4

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Food Consumption Data

Level and Sex : 100 ppm Male

Experimental No. 82014

Food Consumption (g/Animal/Day)

Cage

Number	546	574	609	637	665	700	728
201	17.5	17.8	16.9	18.4	18.3	16.6	17.4
202	17.9	18.3	16.8	17.5	17.6	16.9	15.7
203	14.2	16.4	16.1	13.4	15.5	15.8	15.4
204	16.9	17.8	19.1	20.9	15.2	16.6	17.1
205	16.2	17.8	15.0	16.1	15.9	16.0	15.1
206	17.5	17.5	18.4	17.4	17.7	17.5	16.4
207	18.2	18.5	17.1	17.9	18.7	18.4	17.3
208	11.9	18.2	18.5	16.8	15.3	17.4	16.7
209	14.7	17.6	18.7	15.8	18.8	17.8	18.0
210	17.1	17.5	16.2	18.0	15.6	16.8	16.5
211	18.1	16.4	16.8	16.4	14.8	15.9	16.7
212	18.8	19.3	18.4	18.4	17.7	18.0	18.6
Mean	16.58	17.76	17.33	17.25	16.76	16.98	16.74
N	12	12	12	12	12	12	12
S.D.	2.021	0.813	1.268	1.814	1.503	0.854	1.030

APPENDIX 4-M4-1

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Food Consumption Data

Level and Sex : 1000 ppm Male

Experimental No. 82014

Food Consumption (g/Animal/Day)

Cage

(Day)

Number

7

14

21

28

35

42

49

56

301	15.4	15.4	15.8	16.2	17.8	16.3	17.0	16.8
302	16.1	17.2	17.9	17.4	19.7	17.9	18.3	18.5
303	15.0	15.9	17.5	18.6	17.7	16.8	16.6	18.3
304	15.8	18.5	18.6	17.7	17.2	18.7	19.4	18.1
305	16.0	18.0	17.7	18.0	18.4	17.6	17.9	18.7
306	14.9	16.4	17.1	18.3	18.2	17.0	17.7	18.1
307	14.9	15.5	16.9	16.2	18.8	17.5	17.4	16.2
308	14.6	15.4	15.7	16.8	16.8	16.0	16.9	17.2
309	14.3	15.9	17.5	18.5	17.6	17.7	17.6	18.5
310	15.4	16.8	17.5	17.2	18.3	16.9	17.8	16.6
311	15.4	15.6	16.8	17.4	18.6	18.1	18.0	18.0
312	16.2	16.1	17.6	18.1	18.8	17.3	16.8	17.4

Mean

N

15.33
12

16.39
12

17.22
12

17.53
12

18.16
12

17.32
12

17.62
12

17.70
12

S.D.
0.611

1.036

0.831

0.824

0.791

0.765

0.772

0.834

APPENDIX 4-M4-2

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Food Consumption Data

Level and Sex : 1000 ppm Male

Experimental No. 82014

Food Consumption (g/Animal/Day)

Cage

Number	63	70	77	84 (Day)	91	119	154	182
301	15.9	17.2	16.6	16.6	17.8	16.0	16.7	17.1
302	17.3	17.8	16.5	17.1	17.3	16.4	17.2	16.5
303	16.6	16.6	15.8	16.8	17.1	16.8	17.3	16.7
304	18.1	18.5	17.3	16.0	18.6	18.5	18.1	18.2
305	17.3	17.5	17.5	17.1	17.7	16.5	17.2	18.6
306	17.1	16.9	17.2	18.2	18.2	17.2	17.1	17.8
307	16.6	17.5	17.4	19.0	18.7	17.4	17.4	18.5
308	17.5	16.8	16.3	17.2	17.2	15.6	17.2	18.5
309	17.8	17.0	17.5	16.8	16.9	15.8	16.3	17.5
310	17.6	17.9	16.9	18.1	17.2	17.4	17.7	18.2
311	16.0	18.0	18.2	18.1	17.8	16.2	16.8	19.0
312	18.6	17.5	18.0	18.8	18.5	17.7	17.2	18.8
Mean	17.20	17.43	17.10	17.48	17.75	16.79	17.18	17.95
N	12	12	12	12	12	12	12	12
S.D.	0.812	0.560	0.705	0.934	0.629	0.867	0.461	0.831

APPENDIX 4-M4-3

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Food Consumption Data

Level and Sex : 1000 ppm Male

Experimental No. 82014

Food Consumption (g/Animal/Day)

Cage Number	(Day)									
	210	245	273	301	365	392	483	518		
301	15.9	15.9	17.2	16.6	14.8	16.8	16.0	12.7		
302	15.5	16.5	16.4	14.3	14.5	16.3	15.1	12.5		
303	16.0	16.7	17.6	15.2	14.2	17.4	15.8	12.3		
304	16.8	14.9	17.0	16.0	14.8	16.7	15.7	13.2		
305	15.5	15.9	16.6	16.6	15.0	16.9	15.6	12.7		
306	16.6	15.6	15.6	15.6	14.9	16.6	15.2	12.4		
307	16.6	15.7	16.4	15.6	14.0	16.5	15.3	12.4		
308	15.6	15.1	15.3	15.6	13.4	15.3	14.4	12.1		
309	14.7	14.8	15.0	14.5	14.5	15.9	14.0	11.8		
310	16.4	15.7	15.6	15.3	14.1	16.8	15.3	13.5		
311	16.4	16.3	16.4	14.5	15.8	16.5	14.3	13.1		
312	18.6	16.7	18.2	15.5	15.8	17.7	18.2	12.9		
Mean	16.22	15.82	16.44	15.44	14.65	16.62	15.41	12.63		
N	12	12	12	12	12	12	12	12		
S.D.	0.965	0.656	0.961	0.753	0.701	0.626	1.079	0.485		

APPENDIX 4-M4-4

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Food Consumption Data

Level and Sex : 1000 ppm Male

Experimental No. 82014

Food Consumption (g/Animal/Day)

Cage

Number	546	574	609	637 (Day)	665	700	728
301	17.1	17.6	19.2	16.8	16.7	16.2	15.8
302	16.5	16.8	18.9	16.1	14.7	15.5	14.9
303	16.2	17.4	18.2	16.6	16.5	16.1	16.1
304	16.8	18.3	17.9	15.3	15.0	15.5	15.0
305	16.7	14.7	17.6	15.3	15.7	15.5	15.6
306	16.9	17.4	11.8	15.0	14.6	15.3	15.9
307	18.0	17.1	17.5	15.8	11.8	9.0	X
308	16.8	15.8	16.3	16.6	15.8	15.5	15.8
309	14.2	8.0	22.3	16.9	13.0	13.6	X
310	17.4	10.7	20.8	18.1	17.8	16.3	17.3
311	17.2	17.6	19.4	18.4	16.5	11.0	X
312	15.1	X					
Mean	16.58	15.58	18.17	16.45	15.28	14.50	15.80
N	12	11	11	11	11	11	8
S.D.	1.025	3.287	2.683	1.104	1.731	2.380	0.741

X :No animal existed

APPENDIX 4-F1-1

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Food Consumption Data

Level and Sex : 0 ppm Female

Experimental No. 82014

Food Consumption (g/Animal/Day)

Cage

Number	7	14	21	28	35	42	49	56
				(Day)				
1001	13.8	13.0	12.1	12.5	13.5	13.6	12.9	12.5
1002	13.8	12.8	12.1	13.7	13.0	12.8	13.5	13.5
1003	12.6	12.1	11.7	12.9	11.6	11.9	11.7	12.1
1004	12.2	12.0	11.5	11.7	11.3	11.6	11.5	11.3
1005	12.2	12.5	11.7	12.3	11.3	11.5	11.6	11.5
1006	11.7	10.5	12.3	12.7	12.2	11.7	11.9	12.3
1007	11.5	11.6	11.6	12.4	12.0	11.8	11.6	12.1
1008	12.1	12.2	11.8	12.6	12.5	13.0	12.9	13.3
1009	12.4	12.2	11.4	12.6	12.5	13.2	12.6	13.2
1010	12.5	12.6	12.8	13.0	12.5	12.3	12.8	13.0
1011	11.8	12.1	11.7	12.4	12.4	12.1	11.9	12.7
1012	12.4	12.5	12.6	12.2	12.4	12.0	12.3	12.7

Mean	12.42	12.18	11.94	12.58	12.27	12.29	12.27	12.52
N	12	12	12	12	12	12	12	12
S.D.	0.726	0.650	0.442	0.488	0.650	0.692	0.660	0.691

APPENDIX 4-F1-2

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Food Consumption Data

Level and Sex : 0 ppm Female

Experimental No. 82014

Food Consumption (g/Animal/Day)

Cage

Number	63	70	77	(Day)			91	119	154	182
				84						
1001	12.6	10.8	12.5	11.6			12.5	11.9	13.5	11.4
1002	13.8	13.3	12.6	13.3			13.0	12.2	13.6	12.9
1003	11.7	12.3	12.2	11.7			11.9	11.6	12.8	10.8
1004	11.0	11.2	10.3	11.0			10.8	10.3	11.5	10.0
1005	11.3	12.2	11.7	12.2			12.0	12.0	13.0	11.9
1006	11.7	10.6	11.8	11.6			11.9	11.7	12.5	11.3
1007	12.0	11.3	12.4	11.4			11.7	11.6	12.7	12.1
1008	12.4	12.3	12.8	12.5			12.0	12.5	12.8	12.4
1009	13.9	12.3	13.7	13.1			12.4	13.1	12.6	13.1
1010	12.4	13.1	12.5	11.9			12.6	13.5	12.9	13.1
1011	12.4	12.7	11.6	12.7			12.0	11.8	12.2	12.7
1012	12.7	12.8	12.6	12.5			12.8	12.0	13.1	14.0
Mean	12.33	12.08	12.23	12.13			12.13	12.02	12.77	12.14
N	12	12	12	12			12	12	12	12
S.D.	0.883	0.895	0.827	0.709			0.584	0.803	0.560	1.126

APPENDIX 4-F1-3

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Food Consumption Data

Level and Sex : 0 ppm Female

Experimental No. 82014

Food Consumption (g/Animal/Day)

Cage

Number	210	245	273	301 (Day)	365	392	483	518
1001	13.4	12.6	12.4	12.7	11.8	12.9	13.3	12.8
1002	13.3	12.2	12.9	12.3	11.8	12.4	13.0	13.2
1003	13.8	13.1	12.2	13.8	13.1	12.8	15.0	15.3
1004	11.5	11.4	11.2	11.6	11.6	12.0	12.6	12.9
1005	12.3	12.6	12.3	12.7	11.6	12.1	15.3	13.5
1006	11.2	11.7	11.9	12.4	11.1	13.7	14.3	13.2
1007	12.3	11.6	12.1	12.2	10.8	11.6	13.3	12.9
1008	12.5	12.9	11.9	12.1	11.3	12.1	12.5	13.5
1009	12.1	12.2	13.5	12.4	11.0	13.0	13.6	13.0
1010	14.2	10.8	14.0	14.3	11.6	13.9	13.9	13.4
1011	12.6	10.9	13.8	12.5	11.2	12.6	14.4	13.2
1012	13.3	12.2	12.6	12.3	14.0	12.2	15.9	14.3
Mean	12.71	12.02	12.57	12.61	11.74	12.61	13.93	13.43
N	12	12	12	12	12	12	12	12
S.D.	0.909	0.746	0.840	0.740	0.922	0.691	1.081	0.711

APPENDIX 4-Fl-4

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Food Consumption Data

Level and Sex : 0 ppm Female

Experimental No. 82014

Cage		Food Consumption (g/Animal/Day)					
		(Day)					
Number	546	574	609	637	665	700	728
1001	13.2	14.7	17.2	15.7	15.0	15.5	14.9
1002	13.9	14.5	15.7	13.7	15.5	14.5	15.5
1003	8.3	14.5	17.8	16.2	16.7	15.3	15.5
1004	13.4	13.1	11.5	16.3	15.7	16.5	13.5
1005	14.7	15.0	16.7	15.9	12.9	X	
1006	13.0	12.5	11.3	16.3	15.0	14.5	13.4
1007	13.6	13.2	16.8	14.8	17.7	18.0	16.9
1008	14.9	13.6	17.8	17.0	15.8	15.9	16.1
1009	15.5	14.0	14.7	16.7	13.7	13.3	9.6
1010	13.8	16.0	18.0	16.8	15.9	16.4	16.5
1011	14.7	13.2	16.2	16.4	14.1	15.0	13.1
1012	16.1	16.2	13.5	18.3	16.1	18.6	18.5
Mean	13.76	14.21	15.60	16.18	15.34	15.77	14.86
N	12	12	12	12	12	11	11
S.D.	1.964	1.160	2.365	1.139	1.317	1.554	2.392

X : No animals existed

APPENDIX 4-F2-1

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Food Consumption Data

Level and Sex : 10 ppm Female

Experimental No. 82014

Food Consumption (g/Animal/Day)

Cage Number	(Day)							
	7	14	21	28	35	42	49	56
1101	12.3	12.3	12.2	12.4	12.2	13.1	13.2	12.7
1102	12.1	12.1	11.7	11.7	11.8	11.8	12.2	12.5
1103	12.8	13.2	12.6	13.4	14.3	13.5	13.7	13.1
1104	12.2	12.7	13.0	12.3	11.7	12.4	12.8	12.3
1105	13.2	13.0	13.1	12.8	12.8	13.9	14.4	13.9
1106	11.9	12.2	12.0	12.4	11.8	12.7	12.6	12.7
1107	12.2	12.8	12.2	13.0	12.1	12.1	12.4	12.7
1108	13.1	11.9	12.3	12.7	12.1	12.1	12.5	12.4
1109	12.2	15.3	12.2	12.3	12.6	13.8	13.3	12.8
1110	13.3	12.8	12.6	11.9	13.2	14.0	13.7	13.0
1111	12.5	13.7	11.6	11.9	11.4	12.8	13.7	12.5
1112	13.7	14.2	13.8	12.7	13.6	15.8	14.8	14.5
Mean	12.63	13.02	12.44	12.46	12.47	13.17	13.28	12.93
N	12	12	12	12	12	12	12	12
S.D.	0.577	0.981	0.624	0.493	0.867	1.119	0.817	0.651

APPENDIX 4-F2-2

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Food Consumption Data

Level and Sex : 10 ppm Female

Experimental No. 82014

Food Consumption (g/Animal/Day)

Cage

(Day)

Number

182

154

119

91

84

77

70

63

1101

1102

1103

1104

1105

1106

1107

1108

1109

1110

1111

1112

Mean

N

S.D.

12.85

12

0.729

12.59

12

0.680

12.58

12

0.475

12.58

12

1.078

12.53

12

0.848

12.36

12

0.858

13.29

12

0.596

13.04

12

0.645

APPENDIX 4-F2-3

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Food Consumption Data

Level and Sex : 10 ppm Female

Experimental No. 82014

Food Consumption (g/Animal/Day)

Cage Number	210	245	273	(Day)				365	392	483	518
				301	301	301	301				
1101	13.4	12.4	12.8	13.5	12.2	13.4	14.5	15.6			
1102	12.2	12.3	12.0	12.6	11.9	13.5	13.5	13.4			
1103	13.6	12.6	12.4	12.8	11.9	13.8	14.4	13.6			
1104	11.8	11.6	11.5	12.0	10.9	12.5	11.2	12.0			
1105	12.4	13.8	12.3	12.2	11.5	12.7	14.1	13.0			
1106	12.1	12.6	11.8	12.1	11.2	11.1	12.6	12.5			
1107	11.8	11.8	12.8	13.5	12.0	12.7	13.1	13.1			
1108	12.5	11.7	12.1	14.3	10.8	12.4	13.6	12.2			
1109	12.0	12.3	12.6	13.0	10.5	12.8	12.9	12.4			
1110	12.3	13.2	12.5	13.4	11.2	13.7	12.8	12.0			
1111	12.6	11.1	12.1	13.4	11.0	12.9	12.2	12.2			
1112	13.9	13.5	13.7	14.1	12.6	13.0	15.6	14.8			
Mean	12.55	12.41	12.38	13.08	11.48	12.88	13.38	13.07			
N	12	12	12	12	12	12	12	12			
S.D.	0.706	0.803	0.570	0.757	0.643	0.726	1.176	1.143			

APPENDIX 4-F2-4

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Food Consumption Data

Level and Sex : 10 ppm Female

Experimental No. 82014

Food Consumption (g/Animal/Day)

Cage Number	(Day)						
	546	574	609	637	665	700	728
1101	13.4	14.9	16.5	15.3	15.7	14.4	14.3
1102	13.4	14.2	18.0	15.1	15.7	15.1	16.1
1103	12.3	14.8	16.2	15.3	15.6	14.6	14.4
1104	12.2	12.3	13.7	13.6	13.7	12.5	14.2
1105	13.0	14.1	12.9	14.0	14.0	14.0	14.7
1106	12.6	12.4	13.8	13.6	13.9	13.3	11.4
1107	10.6	14.3	15.9	14.3	14.1	12.7	14.3
1108	11.9	13.3	13.0	13.8	18.9	15.4	15.0
1109	12.3	14.6	14.7	14.1	17.3	15.1	17.5
1110	14.3	13.2	13.2	14.2	12.8	X	
1111	13.1	13.9	18.7	15.7	15.7		15.5
1112	16.9	15.1	15.7	16.8	14.3	16.0	13.4
Mean	13.00	13.93	15.19	14.65	15.14	14.51	14.62
N	12	12	12	12	12	11	11
S.D.	1.537	0.938	1.957	0.989	1.709	1.293	1.539

X : No animals existed

APPENDIX 4-F3-1

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Food Consumption Data

Level and Sex : 100 ppm Female

Experimental No. 82014

Food Consumption (g/Animal/Day)

Cage Number	(Day)							
	7	14	21	28	35	42	49	56
1201	13.0	13.6	13.1	12.7	13.1	13.9	13.5	13.2
1202	13.2	13.7	13.5	13.4	13.6	12.8	13.5	13.3
1203	12.2	12.3	12.5	11.5	11.7	11.4	11.1	11.0
1204	12.6	12.9	12.5	12.3	12.2	12.8	12.7	10.9
1205	11.4	12.1	11.9	12.4	12.8	12.1	11.8	11.7
1206	11.7	11.5	10.9	11.4	12.3	11.2	12.0	10.9
1207	12.0	12.2	11.7	11.5	11.6	11.5	10.9	11.4
1208	11.6	12.1	11.8	12.1	12.1	12.8	12.5	12.9
1209	11.9	12.5	11.4	11.6	12.4	11.8	12.3	11.7
1210	12.9	12.6	11.7	12.4	12.3	12.3	12.4	12.1
1211	13.1	13.0	13.4	12.6	13.6	13.4	13.9	13.9
1212	13.0	13.1	13.0	13.4	14.4	13.4	14.0	14.0
Mean	12.38	12.63	12.28	12.28	12.68	12.45	12.55	12.25
N	12	12	12	12	12	12	12	12
S.D.	0.655	0.651	0.840	0.694	0.848	0.874	1.024	1.159

APPENDIX 4-F3-2

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Food Consumption Data

Level and Sex : 100 ppm Female

Experimental No. 82014

Food Consumption (g/Animal/Day)

Cage

Number	63	70	77	(Day)			84	91	119	154	182
1201	13.6	13.0	12.5	14.2	14.2	14.0	14.2	14.2	14.2	14.6	13.4
1202	13.7	12.7	13.7	13.1	13.1	13.2	13.3	13.3	13.3	15.3	13.3
1203	11.0	11.1	11.3	11.4	11.4	11.8	12.7	12.7	12.7	12.9	12.0
1204	12.2	11.6	12.3	12.1	12.1	12.4	11.3	11.3	12.3	12.3	12.7
1205	12.8	12.2	12.4	12.8	12.8	12.2	13.6	13.6	14.6	14.6	11.4
1206	11.0	11.1	11.6	11.6	11.6	11.5	12.9	12.9	12.6	12.6	12.4
1207	11.7	11.2	12.0	11.7	11.7	11.8	12.2	12.2	12.2	12.2	13.5
1208	12.5	12.7	12.9	12.2	12.2	12.9	13.1	13.1	12.3	12.3	12.3
1209	11.6	11.5	12.4	11.6	11.6	12.0	13.6	13.6	13.6	13.6	13.4
1210	11.8	11.6	12.8	12.5	12.5	12.1	14.6	14.6	12.4	12.4	12.6
1211	13.4	14.2	14.0	13.7	13.7	14.5	15.3	15.3	14.3	14.3	14.1
1212	13.3	12.4	12.8	13.3	13.3	13.6	14.1	14.1	13.8	13.8	13.9
Mean	12.38	12.11	12.56	12.52	12.52	12.67	13.41	13.41	13.41	13.41	12.92
N	12	12	12	12	12	12	12	12	12	12	12
S.D.	0.980	0.939	0.772	0.911	0.911	0.966	1.085	1.085	1.097	1.097	0.812

APPENDIX 4-F3-3

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Food Consumption Data

Level and Sex : 100 ppm Female

Experimental No. 82014

Food Consumption (g/Animal/Day)

Cage

Number	210	245	273	301 (Day)	365	392	483	518
1201	15.0	14.2	14.2	13.4	12.0	15.5	14.9	15.0
1202	12.3	14.0	12.9	11.8	11.8	13.9	13.6	13.7
1203	13.4	14.2	13.1	12.6	11.8	11.3	13.7	14.2
1204	11.2	12.6	12.5	12.1	11.3	12.7	15.6	14.2
1205	13.7	13.6	11.9	10.5	11.2	12.6	14.9	12.8
1206	11.2	12.0	11.2	11.4	10.4	11.8	13.8	12.7
1207	11.8	13.0	11.3	12.7	10.2	13.4	13.8	12.0
1208	10.8	11.6	11.0	10.8	11.1	11.4	14.0	11.4
1209	14.0	13.5	12.0	12.6	11.2	13.7	14.9	13.8
1210	12.0	12.4	11.8	12.3	10.3	12.4	13.7	13.0
1211	13.6	14.5	12.2	12.3	11.5	13.6	14.6	13.7
1212	14.0	14.0	13.5	13.4	11.8	13.9	16.2	15.2
Mean	12.75	13.30	12.30	12.16	11.22	13.02	14.48	13.48
N	12	12	12	12	12	12	12	12
S.D.	1.365	0.960	0.977	0.910	0.624	1.220	0.848	1.141

APPENDIX 4-F3-4

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Food Consumption Data

Level and Sex : 100 ppm Female

Experimental No. 82014

Food Consumption (g/Animal/Day)

Cage

Number	546	574	609	637	(Day)	665	700	728
1201	16.3	16.0	15.7	17.2		17.0	16.7	15.3
1202	14.8	14.1	13.0	14.9		14.5	15.1	14.5
1203	15.0	15.6	16.2	17.8		17.4	15.5	17.1
1204	15.3	15.2	13.6	15.4		15.7	15.9	14.1
1205	14.4	14.5	17.0	15.2		15.0	15.2	14.2
1206	12.8	13.4	15.4	14.4		14.4	14.7	15.4
1207	13.0	14.2	14.9	14.0		11.3	14.1	12.4
1208	13.1	12.9	14.1	13.9		13.3	14.2	13.1
1209	8.5	16.1	16.3	14.2	X			
1210	14.2	12.8	15.3	14.6		13.6	14.3	13.4
1211	14.7	14.9	12.7	15.5		15.6	14.9	16.2
1212	14.9	13.6	15.6	16.3		15.0	10.8	X
Mean	13.92	14.44	14.98	15.28		14.80	14.67	14.57
N	12	12	12	12		11	11	10
S.D.	1.989	1.142	1.358	1.252		1.712	1.500	1.448

X : No animals existed

APPENDIX 4-F4-1

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Food Consumption Data

Level and Sex : 1000 ppm Female

Experimental No. 82014

Food Consumption (g/Animal/Day)

Cage Number	(Day)							
	7	14	21	28	35	42	49	56
1301	12.1	12.6	11.8	12.1	11.8	12.6	11.5	11.8
1302	12.2	12.6	11.8	12.7	12.9	12.5	11.6	10.8
1303	12.9	11.7	12.7	13.0	13.5	13.3	12.8	11.1
1304	11.6	11.4	11.0	11.3	12.3	11.7	11.5	12.9
1305	12.4	12.3	11.7	12.0	12.2	12.3	12.1	11.4
1306	13.6	12.8	12.6	12.7	13.3	12.8	13.3	12.8
1307	12.5	11.9	13.2	12.2	13.5	12.7	12.6	13.0
1308	12.2	12.1	12.2	12.0	12.2	12.1	12.1	11.2
1309	13.2	14.1	13.3	13.3	13.1	13.4	13.3	11.3
1310	13.0	12.7	12.5	12.8	13.0	13.0	12.9	13.4
1311	13.0	12.8	12.6	12.4	13.3	13.5	13.4	12.7
1312	11.7	13.2	13.0	12.4	12.9	13.0	12.6	13.1
Mean	12.53	12.52	12.37	12.41	12.83	12.74	12.48	12.13
N	12	12	12	12	12	12	12	12
S.D.	0.614	0.720	0.687	0.537	0.571	0.542	0.706	0.939

APPENDIX 4-F4-2

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Food Consumption Data

Level and Sex : 1000 ppm Female

Experimental No. 82014

Food Consumption (g/Animal/Day)

Cage

Number	63	70	77	84	91	119	154	182
				(Day)				
1301	11.4	12.2	12.8	12.6	12.4	12.2	12.8	12.1
1302	11.9	12.1	12.4	13.1	12.1	11.9	12.5	11.5
1303	13.5	13.1	13.2	12.6	13.0	10.9	13.8	11.4
1304	11.9	12.2	11.8	11.1	11.6	11.0	10.7	11.1
1305	12.6	13.3	12.0	12.3	12.2	12.0	12.2	11.4
1306	13.3	13.5	13.2	12.7	12.5	11.5	14.5	11.9
1307	13.1	12.8	12.8	12.6	13.5	11.4	11.9	12.3
1308	11.7	12.3	11.6	12.1	10.4	11.4	11.2	11.7
1309	13.3	12.9	12.6	12.3	12.2	12.3	12.7	12.3
1310	13.4	12.9	12.6	12.1	12.8	12.0	12.2	12.7
1311	12.8	12.1	12.9	11.3	13.0	11.0	12.2	13.2
1312	12.9	14.4	12.5	14.2	12.7	12.9	13.4	12.9
Mean	12.65	12.82	12.53	12.42	12.37	11.71	12.51	12.04
N	12	12	12	12	12	12	12	12
S.D.	0.739	0.698	0.512	0.800	0.797	0.611	1.053	0.660

APPENDIX 4-F4-3

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Food Consumption Data

Level and Sex : 1000 ppm Female

Experimental No. 82014

Food Consumption (g/Animal/Day)

Cage

Number	210	245	273	301 (Day)	365	392	483	518
1301	12.2	12.7	13.2	12.9	11.3	13.2	14.0	13.3
1302	13.2	12.1	13.4	11.0	11.0	13.5	12.1	13.5
1303	11.8	13.3	13.1	12.1	10.4	12.8	11.7	12.7
1304	10.4	12.1	12.9	11.7	11.0	11.9	13.0	12.1
1305	12.4	11.9	13.7	12.3	10.8	14.6	13.6	12.7
1306	11.6	13.2	12.4	13.2	11.6	13.2	13.6	12.2
1307	11.5	11.6	12.6	11.7	10.5	11.5	14.1	12.0
1308	10.4	12.5	13.5	10.9	10.0	12.7	12.2	11.6
1309	11.8	12.4	12.2	11.2	10.4	12.9	13.6	12.6
1310	11.9	12.3	13.0	11.4	11.5	12.3	13.5	12.5
1311	12.1	13.8	13.9	13.7	13.0	14.3	14.9	14.5
1312	14.2	13.6	13.6	12.2	11.5	13.5	14.3	13.3
Mean	11.96	12.63	13.13	12.03	11.08	13.03	13.38	12.75
N	12	12	12	12	12	12	12	12
S.D.	1.048	0.702	0.531	0.887	0.791	0.900	0.964	0.794

APPENDIX 4-F4-4

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Food Consumption Data

Level and Sex : 1000 ppm Female

Experimental No. 82014

Food Consumption (g/Animal/Day)

Cage

Number	546	574	609	637	665	700	728
				(Day)			
1301	13.6	14.1	12.8	14.6	14.7	13.8	13.3
1302	14.3	15.3	15.2	16.3	16.9	16.5	18.1
1303	12.1	13.9	13.8	13.3	13.5	13.2	13.3
1304	12.2	13.6	13.0	15.1	14.8	14.6	14.8
1305	14.5	14.9	13.0	14.6	13.5	16.2	16.3
1306	13.3	14.8	16.0	12.3	13.4	14.4	13.5
1307	13.6	14.0	14.5	15.0	14.6	15.6	10.8
1308	12.2	13.3	12.4	13.5	13.4	14.3	16.0
1309	13.4	13.8	14.9	14.1	13.8	14.4	10.1
1310	12.3	14.3	14.0	13.2	13.9	14.9	14.9
1311	16.0	15.8	15.1	14.5	12.3	17.4	17.1
1312	15.0	13.9	16.3	13.0	13.9	15.4	13.4
Mean	13.54	14.31	14.25	14.13	14.06	15.06	14.30
N	12	12	12	12	12	12	12
S.D.	1.242	0.742	1.289	1.110	1.129	1.206	2.395

APPENDIX 5-1-M1

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

INDIVIDUAL URINALYSIS DATA

LEVEL AND SEX : 0 PPM MALE

ANIMALS KILLED ON SCHEDULE (104 WEEKS)

EXPERIMENTAL NO. 82014

ANIMAL NUMBER	PH	PROTEIN (MG/DL)	GLUCOSE (G/DL)	KETONES (MG/DL)	BILIRUBIN	OCCULT BLOOD	UROBILINOGEN (E.U./DL)	(DAY)
1	7	>300	0.1	5	1+	-	1	726
2	6	>300	0.1	5	1+	-	1	726
3	7	>300	0.1	-	1+	-	1	726
4	7	>300	-	5	1+	TR	1	726
5	7	>300	0.1	5	2+	-	2	726
6	7	>300	-	-	1+	3+	2	726
9	7	100	-	-	-	-	1	726
11	7	>300	-	-	-	-	1	726
12	7	>300	0.1	-	-	1+	1	726
14	7	>300	0.1	-	1+	-	1	726
15	6	>300	0.1	-	-	-	1	726
17	7	100	0.1	-	-	-	1	726
18	6	>300	0.1	5	1+	-	2	726
19	7	>300	0.1	15	1+	-	1	726
20	7	>300	0.1	-	-	-	1	726
21	6	>300	0.1	-	-	-	1	726
23	7	>300	0.1	5	1+	-	1	726
25	7	>300	0.1	5	-	-	1	726
26	7	>300	0.1	-	-	-	1	726
28	7	>300	-	-	-	-	1	726
30	7	100	-	-	1+	-	1	726
31	7	>300	0.1	-	-	-	1	726
32	7	>300	0.1	-	-	-	1	726
33	8	100	0.1	-	-	TR	1	726

- ; NEGATIVE , TR ; TRACE , 1+ ; SLIGHT , 2+ ; MODERATE , 3+ ; SEVERE

APPENDIX 5-1-M2

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

INDIVIDUAL URINALYSIS DATA

LEVEL AND SEX : 10 PPM MALE

ANIMALS KILLED ON SCHEDULE (104 WEEKS)

EXPERIMENTAL NO. 82014

ANIMAL NUMBER	PH	PROTEIN (MG/DL)	GLUCOSE (G/DL)	KETONES (MG/DL)	BILIRUBIN	OCCULT BLOOD	UROBILINOGEN (E.U./DL)	(DAY)
102	7	100	-	-	-	-	1	726
103	7	>300	0.1	5	1+	-	1	726
104	7	>300	0.1	-	-	-	1	726
106	7	>300	-	-	1+	-	2	726
107	7	100	-	-	-	-	1	726
108	7	>300	0.1	5	1+	-	1	726
111	7	>300	0.1	5	1+	-	1	726
113	7	>300	0.1	5	1+	-	1	726
114	7	>300	0.1	-	-	-	1	726
116	7	>300	-	5	1+	-	4	726
117	7	>300	0.1	5	1+	-	1	726
120	7	>300	0.1	-	-	-	1	726
121	7	>300	0.1	-	-	-	1	726
122	7	100	0.1	-	-	-	1	726
124	7	100	0.25	5	1+	TR	1	726
127	7	>300	0.1	5	-	-	1	726
128	7	>300	0.1	-	1+	-	1	726
129	8	>300	-	-	-	1+	1	727
130	8	>300	0.1	5	-	-	1	727
131	6	>300	0.1	5	1+	-	1	726
134	7	>300	0.1	5	1+	2+	1	726
137	7	100	0.1	-	-	-	1	726
138	7	>300	0.1	5	1+	-	1	726
140	6	>300	0.1	5	1+	-	1	727

- ; NEGATIVE , TR ; TRACE , 1+ ; SLIGHT , 2+ ; MODERATE , 3+ ; SEVERE

APPENDIX 5-1-M3

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

INDIVIDUAL URINALYSIS DATA

LEVEL AND SEX : 100 PPM MALE

ANIMALS KILLED ON SCHEDULE (104 WEEKS)

EXPERIMENTAL NO. 82014

ANIMAL NUMBER	PH	PROTEIN (MG/DL)	GLUCOSE (G/DL)	KETONES (MG/DL)	BILIRUBIN	OCCULT BLOOD	UROBILINOGEN (E.U./DL)	(DAY)
201	7	>300	-	5	1+	-	1	726
202	7	100	0.1	-	-	-	1	726
205	7	>300	0.25	5	3+	-	2	726
206	7	>300	0.1	-	-	-	1	726
207	7	>300	0.1	-	-	TR	1	726
208	7	>300	-	-	1+	-	1	726
209	7	>300	0.1	-	-	-	1	726
210	7	>300	0.1	-	1+	-	2	726
211	7	100	0.1	-	1+	-	2	726
212	7	>300	0.1	-	-	-	1	726
213	7	>300	0.1	5	1+	-	4	726
214	7	>300	0.1	5	1+	-	1	726
215	7	100	-	-	-	-	1	726
216	7	100	-	5	1+	-	1	726
217	6	>300	-	-	-	-	1	726
218	7	>300	0.1	5	1+	2+	4	726
219	7	>300	0.1	-	1+	-	1	726
222	7	>300	-	-	1+	-	1	726
224	7	>300	0.1	-	-	-	1	726
225	7	>300	0.1	-	-	-	1	726
226	7	>300	0.1	5	1+	-	1	726
227	7	>300	0.1	-	-	-	1	726
228	7	>300	0.1	5	1+	-	2	726
229	7	100	0.1	-	-	-	1	726

- ; NEGATIVE , TR ; TRACE , 1+ ; SLIGHT , 2+ ; MODERATE , 3+ ; SEVERE

APPENDIX 5-1-M4

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY OF METHANOL IN F344 RATS

INDIVIDUAL URINALYSIS DATA

LEVEL AND SEX : 1000 PPM MALE

ANIMALS KILLED ON SCHEDULE (104 WEEKS)

EXPERIMENTAL NO. 82014

ANIMAL NUMBER	PH	PROTEIN (MG/DL)	GLUCOSE (G/DL)	KETONES (MG/DL)	BILIRUBIN	OCCULT BLOOD	UROBILINOGEN (E.U./DL)	(DAY)
301	7	>300	0.1	-	-	-	1	726
302	7	100	0.1	5	1+	-	1	726
303	7	>300	0.1	-	-	-	1	726
304	7	>300	0.1	-	-	-	1	726
305	7	>300	0.1	-	-	-	1	726
306	7	100	-	-	1+	-	2	726
308	7	>300	0.1	15	1+	-	1	726
310	7	100	0.1	-	-	-	1	726
313	7	>300	0.1	5	1+	-	1	726
314	7	>300	0.1	-	-	-	1	726
315	7	>300	0.1	5	1+	-	1	726
316	7	>300	0.1	5	1+	-	1	726
317	7	>300	0.1	-	1+	-	1	726
320	7	100	0.1	-	-	-	1	726
326	7	>300	0.1	5	1+	-	1	726
327	7	>300	0.1	-	-	TR	1	726
328	7	>300	0.1	-	-	-	1	726
330	7	>300	0.5	5	1+	TR	1	726
331	7	>300	0.1	5	-	-	1	726
333	7	>300	0.1	-	1+	-	1	726
335	7	100	0.1	-	-	-	1	726
336	6	100	0.1	-	-	-	1	726
337	7	>300	0.1	-	1+	-	1	726
338	7	>300	0.1	5	1+	-	1	726

- ; NEGATIVE , TR ; TRACE , 1+ ; SLIGHT , 2+ ; MODERATE , 3+ ; SEVERE

APPENDIX 5-1-F1

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY OF METHANOL IN F344 RATS

INDIVIDUAL URINALYSIS DATA

LEVEL AND SEX : 0 PPM FEMALE

ANIMALS KILLED ON SCHEDULE (104 WEEKS)

EXPERIMENTAL NO. 82014

ANIMAL NUMBER	PH	PROTEIN (MG/DL)	GLUCOSE (G/DL)	KETONES (MG/DL)	BILIRUBIN	OCCULT BLOOD	UROBILINOGEN (E.U./DL)	(DAY)
1001	8	100	0.1	-	-	-	1	727
1002	6	>300	-	5	-	2+	1	727
1003	7	>300	0.1	5	-	-	1	727
1008	8	>300	-	-	-	-	1	727
1009	7	>300	0.1	5	1+	-	1	727
1010	7	100	0.1	-	-	-	1	727
1013	8	100	-	-	-	-	1	727
1016	7	>300	0.1	5	-	-	1	727
1018	8	>300	0.1	-	-	-	0.1	727
1019	7	100	0.1	5	-	-	1	727
1020	7	100	-	-	-	-	1	727
1021	7	>300	-	5	-	-	1	727
1022	8	30	0.1	-	-	-	1	727
1023	7	>300	0.1	5	-	-	1	727
1024	7	>300	0.1	-	-	-	1	727
1025	7	>300	0.1	-	-	-	1	727
1026	7	100	0.1	-	-	-	1	727
1029	7	>300	-	-	-	-	1	727
1030	8	100	0.1	-	-	-	1	727
1031	7	100	-	-	-	-	1	727
1032	7	100	0.1	5	-	-	1	727
1034	8	>300	0.1	-	-	-	1	727
1035	8	30	0.1	-	-	TR	1	727
1038	8	30	-	-	-	TR	1	727

- ; NEGATIVE , TR ; TRACE , 1+ ; SLIGHT , 2+ ; MODERATE , 3+ ; SEVERE

APPENDIX 5-1-F2

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

INDIVIDUAL URINALYSIS DATA

LEVEL AND SEX : 10 PPM FEMALE

ANIMALS KILLED ON SCHEDULE (104 WEEKS)

EXPERIMENTAL NO. 82014

ANIMAL NUMBER	PH	PROTEIN (MG/DL)	GLUCOSE (G/DL)	KETONES (MG/DL)	BILIRUBIN	OCCULT BLOOD	UROBILINOGEN (E.U./DL)	(DAY)
1101	7	>300	0.1	5	1+	-	1	727
1102	7	30	0.1	5	1+	-	1	727
1103	7	100	0.1	-	-	-	1	727
1104	8	30	-	-	-	-	1	727
1106	7	100	0.1	-	-	-	1	727
1107	7	100	0.1	-	-	-	1	727
1108	8	>300	-	-	-	-	1	727
1109	8	TR	0.1	-	-	-	1	727
1111	7	100	-	-	-	-	1	727
1113	6	30	0.1	-	-	-	1	727
1114	8	30	-	-	-	-	1	727
1115	7	30	-	-	-	-	1	727
1116	7	>300	0.1	-	-	-	1	727
1117	7	>300	0.1	5	1+	-	1	727
1118	8	-	0.1	-	-	-	0.1	727
1123	8	30	-	-	-	1+	1	727
1124	8	100	-	-	-	-	1	727
1125	7	100	0.1	-	-	-	0.1	727
1126	7	>300	0.1	5	-	-	1	727
1128	8	100	-	-	-	-	1	727
1131	7	>300	0.1	5	1+	-	1	727
1132	7	TR	-	-	-	-	1	727
1133	7	100	0.1	-	-	-	1	727
1135	8	>300	0.1	-	-	-	1	727

- ; NEGATIVE , TR ; TRACE , 1+ ; SLIGHT , 2+ ; MODERATE , 3+ ; SEVERE

APPENDIX 5-1-F3

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY OF METHANOL IN F344 RATS

INDIVIDUAL URINALYSIS DATA

LEVEL AND SEX : 100 PPM FEMALE

ANIMALS KILLED ON SCHEDULE (104 WEEKS)

EXPERIMENTAL NO. 82014

ANIMAL NUMBER	PH	PROTEIN (MG/DL)	GLUCOSE (G/DL)	KETONES (MG/DL)	BILIRUBIN	OCCULT BLOOD	UROBILINOGEN (E.U./DL)	(DAY)
1201	8	30	0.1	-	-	-	1	727
1203	7	100	0.1	-	-	-	1	727
1205	7	>300	0.1	15	1+	-	1	727
1206	7	100	-	5	1+	-	1	727
1208	8	100	0.1	-	-	-	1	727
1210	6	100	0.1	5	-	-	1	727
1211	8	100	-	-	-	-	1	727
1213	7	>300	-	5	1+	-	1	727
1214	7	100	0.1	5	-	TR	1	727
1216	8	100	-	5	-	TR	1	727
1217	7	>300	0.1	5	1+	-	1	727
1218	7	100	-	5	-	-	1	727
1219	7	>300	0.1	5	1+	-	1	727
1220	8	>300	0.1	5	1+	1+	1	727
1222	7	100	-	5	1+	-	1	727
1226	6	>300	-	-	-	-	1	727
1228	7	30	0.1	5	-	-	1	727
1229	7	100	-	-	-	-	0.1	727
1231	7	>300	0.1	5	1+	-	2	727
1232	7	100	-	-	-	TR	1	727
1234	7	100	0.1	-	-	-	1	727
1237	7	100	0.1	5	-	-	1	727
1238	6	100	0.1	-	-	-	1	727

- ; NEGATIVE , TR ; TRACE , 1+ ; SLIGHT , 2+ ; MODERATE , 3+ ; SEVERE

APPENDIX 5-1-F4

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

INDIVIDUAL URINALYSIS DATA

LEVEL AND SEX : 1000 PPM FEMALE

ANIMALS KILLED ON SCHEDULE (104 WEEKS)

EXPERIMENTAL NO. 82014

ANIMAL NUMBER	PH	PROTEIN (MG/DL)	GLUCOSE (G/DL)	KETONES (MG/DL)	BILIRUBIN	OCCULT BLOOD	UROBILINOGEN (E.U./DL)	(DAY)
1301	7	>300	0.1	5	1+	-	1	727
1303	7	30	0.1	5	-	-	1	727
1304	8	100	0.1	-	-	-	1	727
1306	7	>300	0.1	5	1+	-	1	727
1307	7	>300	-	5	-	-	1	727
1309	6	30	-	5	1+	TR	1	727
1310	7	>300	-	5	-	-	1	727
1313	7	30	0.1	-	-	-	1	727
1314	7	>300	0.1	5	1+	-	1	727
1316	8	100	-	-	-	-	1	727
1317	6	100	0.1	5	1+	-	1	727
1319	6	100	-	5	1+	-	1	727
1320	8	100	0.1	5	-	-	1	727
1321	7	100	0.1	-	1+	-	1	727
1322	7	>300	-	-	-	-	1	727
1323	8	100	-	-	-	-	1	727
1324	7	30	0.1	-	-	-	0.1	727
1326	6	100	0.1	5	1+	TR	1	727
1327	7	>300	0.1	5	-	-	1	727
1328	6	100	0.1	5	1+	-	1	727
1330	7	>300	-	-	-	-	1	727
1331	6	>300	0.1	-	-	-	1	727
1332	7	30	-	-	-	-	1	727
1333	8	30	0.1	-	-	-	1	727

- ; NEGATIVE , TR ; TRACE , 1+ ; SLIGHT , 2+ ; MODERATE , 3+ ; SEVERE

APPENDIX 5-2-M1

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

INDIVIDUAL URINALYSIS DATA

LEVEL AND SEX : 0 PPM MALE

ANIMALS KILLED IN EXTREMIS

EXPERIMENTAL NO. 82014

ANIMAL NUMBER	PH	PROTEIN (MG/DL)	GLUCOSE (G/DL)	KETONES (MG/DL)	BILIRUBIN	OCCULT BLOOD	UROBILINOGEN (E.U./DL)	(DAY)
16	6	100	0.1	-	1+	TR	1	435
29	8	30	0.1	15	-	-	1	356
34	6	100	0.5	5	3+	2+	8	686
52	6	>300	0.1	-	1+	1+	0.1	347

- ; NEGATIVE , TR ; TRACE , 1+ ; SLIGHT , 2+ ; MODERATE , 3+ ; SEVERE

APPENDIX 5-2-M2

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

INDIVIDUAL URINALYSIS DATA

LEVEL AND SEX : 10 PPM MALE

ANIMALS KILLED IN EXTREMIS

EXPERIMENTAL NO. 82014

ANIMAL NUMBER	PH	PROTEIN (MG/DL)	GLUCOSE (G/DL)	KETONES (MG/DL)	BILIRUBIN	OCCULT BLOOD	UROBILINOGEN (E.U./DL)	(DAY)
112	6	TR	-	-	-	-	1	537
118	6	100	-	-	1+	-	1	519
125	7	100	0.1	-	-	2+	1	644
135	6	100	-	40	1+	2+	1	666

- ; NEGATIVE , TR ; TRACE , 1+ ; SLIGHT , 2+ ; MODERATE , 3+ ; SEVERE

APPENDIX 5-2-M3

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

INDIVIDUAL URINALYSIS DATA

LEVEL AND SEX : 100 PPM MALE

ANIMALS KILLED IN EXTREMIS

EXPERIMENTAL NO. 82014

ANIMAL NUMBER	PH	PROTEIN (MG/DL)	GLUCOSE (G/DL)	KETONES (MG/DL)	BILIRUBIN	OCCULT BLOOD	UROBILINOGEN (E.U./DL)	(DAY)
223	7	100	0.25	40	3+	3+	4	463
245	6	>300	-	-	-	TR	1	671
247	6	>300	0.1	-	1+	-	2	540

- ; NEGATIVE , TR ; TRACE , 1+ ; SLIGHT , 2+ ; MODERATE , 3+ ; SEVERE

APPENDIX 5-2-M4

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

INDIVIDUAL URINALYSIS DATA

LEVEL AND SEX : 1000 PPM MALE

ANIMALS KILLED IN EXTREMIS

EXPERIMENTAL NO. 82014

ANIMAL NUMBER	PH	PROTEIN (MG/DL)	GLUCOSE (G/DL)	KETONES (MG/DL)	BILIRUBIN	OCCULT BLOOD	UROBILINOGEN (E.U./DL)	(DAY)
307	6	100	0.1	-	2+	-	1	690
322	6	TR	-	-	-	1+	2	588

- ; NEGATIVE , TR ; TRACE , 1+ ; SLIGHT , 2+ ; MODERATE , 3+ ; SEVERE

APPENDIX 5-2-F1

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

INDIVIDUAL URINALYSIS DATA

LEVEL AND SEX : 0 PPM FEMALE

ANIMALS KILLED IN EXTREMIS

EXPERIMENTAL NO. 82014

ANIMAL NUMBER	PH	PROTEIN (MG/DL)	GLUCOSE (G/DL)	KETONES (MG/DL)	BILIRUBIN	OCCULT BLOOD	UROBILINOGEN (E.U./DL)	(DAY)
1005	7	>300	-	>80	1+	-	1	691
1007	6	100	0.1	-	1+	1+	0.1	596
1015	6	100	-	5	1+	TR	0.1	547
1043	6	30	-	-	1+	1+	1	708

- ; NEGATIVE , TR ; TRACE , 1+ ; SLIGHT , 2+ ; MODERATE , 3+ ; SEVERE

APPENDIX 5-2-F2

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

INDIVIDUAL URINALYSIS DATA

LEVEL AND SEX : 10 PPM FEMALE

ANIMALS KILLED IN EXTREMIS

EXPERIMENTAL NO. 82014

ANIMAL NUMBER	PH	PROTEIN (MG/DL)	GLUCOSE (G/DL)	KETONES (MG/DL)	BILIRUBIN	OCCULT BLOOD	UROBILINOGEN (E.U./DL)	(DAY)
1119	6	TR	0.1	-	3+	TR	8	561
1139	7	100	0.1	-	3+	1+	1	680
1152	8	>300	0.1	-	-	1+	0.1	729

- ; NEGATIVE , TR ; TRACE , 1+ ; SLIGHT , 2+ ; MODERATE , 3+ ; SEVERE

APPENDIX 5-2-F3

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

INDIVIDUAL URINALYSIS DATA

LEVEL AND SEX : 100 PPM FEMALE

ANIMALS KILLED IN EXTREMIS

EXPERIMENTAL NO. 82014

ANIMAL NUMBER	PH	PROTEIN (MG/DL)	GLUCOSE (G/DL)	KETONES (MG/DL)	BILIRUBIN	OCCULT BLOOD	UROBILINOGEN (E.U./DL)	(DAY)
1215	6	>300	-	-	1+	TR	0.1	427
1221	6	30	0.5	40	3+	TR	8	560

- ; NEGATIVE , TR ; TRACE , 1+ ; SLIGHT , 2+ ; MODERATE , 3+ ; SEVERE

APPENDIX 5-2-F4

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

INDIVIDUAL URINALYSIS DATA

LEVEL AND SEX : 1000 PPM FEMALE

ANIMALS KILLED IN EXTREMIS

EXPERIMENTAL NO. 82014

ANIMAL NUMBER	PH	PROTEIN (MG/DL)	GLUCOSE (G/DL)	KETONES (MG/DL)	BILIRUBIN	OCCULT BLOOD	UROBILINOGEN (E.U./DL)	(DAY)
1305	7	100	0.1	>80	-	3+	1	690
1309	6	30	0.25	5	3+	-	8	732
1311	6	30	-	15	1+	2+	1	671
1344	6	TR	0.1	-	-	-	0.1	718

- ; NEGATIVE , TR ; TRACE , 1+ ; SLIGHT , 2+ ; MODERATE , 3+ ; SEVERE

APPENDIX 6-1-M1-1

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Hematological Data

Level and Sex : 0 ppm Male

Animals Killed on Schedule (104 Week)

Experimental No. 82014

Animal Number	RBC Count (10**4 /cmm)	WBC Count (10**2 /cmm)	Ht (%)	Hb Conc. (g/dl)	Platelet Count (10**4 /cmm)	MCV (cubic micron)	MCH (pico gram)	MCHC (%)	(Day)
1	842.	25.	43.5	14.7	58.9	51.7	17.5	33.8	733
2	596.	66.	31.0	10.1	31.8	52.0	16.9	32.6	733
3	823.	22.	41.0	14.0	59.3	49.8	17.0	34.1	733
4	1083.	21.	51.5	17.3	48.1	47.6	16.0	33.6	733
5	441.	27.	28.5	8.6	44.1	64.6	19.5	30.2	733
6	1014.	23.	49.5	17.0	51.0	48.8	16.8	34.3	733
9	1113.	21.	54.5	18.2	51.0	49.0	16.4	33.4	733
11	891.	22.	44.0	14.8	67.4	49.4	16.6	33.6	733
12	1033.	33.	50.5	16.7	45.3	48.9	16.2	33.1	733
14	796.	10.	41.0	13.6	54.5	51.5	17.1	33.2	734
15	866.	47.	42.5	14.2	79.6	49.1	16.4	33.4	734
17	946.	90.	44.0	14.7	72.3	46.5	15.5	33.4	734
18	781.	80.	38.0	12.3	70.7	48.7	15.7	32.4	734
19	1003.	33.	50.5	16.8	59.5	50.3	16.7	33.3	734
20	829.	28.	41.0	13.5	72.4	49.5	16.3	32.9	734
23	819.	23.	42.0	13.9	66.9	51.3	17.0	33.1	734
25	1157.	24.	56.0	18.8	52.0	48.4	16.2	33.6	734
26	866.	27.	44.0	15.0	70.9	50.8	17.3	34.1	734
28	1002.	33.	49.0	16.1	60.9	48.9	16.1	32.9	735
30	945.	41.	46.5	15.4	63.5	49.2	16.3	33.1	735
31	857.	29.	41.5	13.8	66.7	48.4	16.1	33.3	735
32	979.	37.	45.5	15.3	67.2	46.5	15.6	33.6	735

APPENDIX 6-1-ML-1 CONTINUED

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Hematological Data

Level and Sex : 0 ppm Male

Animals Killed on Schedule (104 Week)

Experimental No. 82014

Animal Number	RBC Count (10**4 /cmm)	WBC Count (10**2 /cmm)	Ht (%)	Hb Conc. (g/dl)	Platelet Count (10**4 /cmm)	MCV (cubic micron)	MCH (pico gram)	MCHC (%)	(Day)
33	A 801.	A 11.	A 40.0	A 13.3	A 2.7	A 49.9	A 16.6	A 33.3	735
35	957.	21.	47.0	15.8	67.7	49.1	16.5	33.6	735
36	882.	24.	45.0	14.4	83.1	51.0	16.3	32.0	735
37	518.	57.	31.0	10.0	25.2	59.8	19.3	32.3	735
38	1056.	29.	50.0	17.0	59.6	47.3	16.1	34.0	735
39	942.	45.	41.5	13.8	62.8	44.1	14.6	33.3	736
40	924.	43.	46.0	15.3	74.3	49.8	16.6	33.3	736
41	1156.	39.	54.0	18.0	62.9	46.7	15.6	33.3	736
42	1126.	61.	52.5	16.9	64.9	46.6	15.0	32.2	736
45	984.	47.	45.0	15.3	77.6	45.7	15.5	34.0	736
46	1122.	43.	54.0	17.7	76.6	48.1	15.8	32.8	736
47	1076.	39.	51.0	16.6	69.4	47.4	15.4	32.5	736
48	A 1001.	A 52.	A 56.0	A 15.1	A 20.2	A 55.9	A 15.1	A 27.0	736
51	963.	50.	46.5	15.0	71.6	48.3	15.6	32.3	736
Mean	923.2	37.1	45.26	15.02	62.05	49.55	16.40	33.14	
N	34	34	34	34	34	34	34	34	
S.D.	167.51	17.65	6.613	2.313	12.925	3.718	1.000	0.783	

A : Excluded from statistical calculations because of aggregation

APPENDIX 6-1-M2-1

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Hematological Data

Level and Sex : 10 ppm Male

Animals Killed on Schedule (104 Week)

Experimental No. 82014

Animal Number	RBC Count (10**4 /cmm)	WBC Count (10**2 /cmm)	Ht (%)	Hb Conc. (g/dl)	Platelet Count (10**4 /cmm)	MCV (cubic micron)	MCH (pico gram)	MCHC (%)	(Day)
102	829.	39.	41.5	13.7	60.0	50.1	16.5	33.0	733
103	850.	25.	43.0	14.1	52.0	50.6	16.6	32.8	733
104	829.	32.	42.5	14.7	71.0	51.3	17.7	34.6	733
106	896.	23.	44.5	14.8	71.1	49.7	16.5	33.3	733
107	823.	19.	41.0	14.0	58.8	49.8	17.0	34.1	733
108	788.	25.	39.5	13.7	61.1	50.1	17.4	34.7	733
111	1205.	33.	56.0	19.1	51.1	46.5	15.9	34.1	733
113	940.	29.	45.5	15.5	65.1	48.4	16.5	34.1	733
114	949.	25.	48.5	16.1	65.8	51.1	17.0	33.2	733
116	948.	27.	48.0	15.5	55.4	50.6	16.4	32.3	734
117	862.	19.	45.0	14.6	54.4	52.2	16.9	32.4	734
120	883.	21.	43.0	14.1	51.7	48.7	16.0	32.8	734
121	739.	29.	36.0	11.8	87.9	48.7	16.0	32.8	734
122	775.	34.	41.0	13.1	60.1	52.9	16.9	32.0	734
124	1041.	28.	50.5	17.0	58.9	48.5	16.3	33.7	734
127	832.	28.	43.0	14.6	66.1	51.7	17.5	34.0	734
128	1104.	35.	53.0	17.9	56.1	48.0	16.2	33.8	734
129	944.	27.	46.0	15.5	63.1	48.7	16.4	33.7	734
130	1046.	31.	50.5	17.0	53.6	48.3	16.3	33.7	735
131	745.	47.	38.0	12.0	85.2	51.0	16.1	31.6	735
134	966.	39.	45.0	15.0	62.1	46.6	15.5	33.3	735
137	1036.	45.	52.0	16.2	49.1	50.2	15.6	31.2	735

APPENDIX 6-1-M2-1 CONTINUED

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Hematological Data

Level and Sex : 10 ppm Male

Animals Killed on Schedule (104 Week)

Experimental No. 82014

Animal Number	RBC Count (10**4 /cmm)	WBC Count (10**2 /cmm)	Ht (%)	Hb Conc. (g/dl)	Platelet Count (10**4 /cmm)	MCV (cubic micron)	MCH (pico gram)	MCHC (%)	(Day)
138	1033.	38.	50.5	16.9	65.8	48.9	16.4	33.5	735
140	843.	27.	41.0	14.4	54.5	48.6	17.1	35.1	735
141	916.	25.	45.5	15.0	58.0	49.7	16.4	33.0	735
142	671.	18.	36.0	12.2	37.5	53.7	18.2	33.9	735
143	822.	25.	42.0	13.9	58.2	51.1	16.9	33.1	736
144	803.	24.	42.5	13.7	59.8	52.9	17.1	32.2	736
145	541.	22.	28.0	7.8	115.7	51.8	14.4	27.9	736
147	778.	22.	40.5	13.0	62.2	52.1	16.7	32.1	736
148	1053.	39.	51.5	16.5	67.0	48.9	15.7	32.0	736
149	925.	35.	46.0	14.6	59.0	49.7	15.8	31.7	736
151	945.	45.	46.0	14.8	64.1	48.7	15.7	32.2	736
152	1015.	44.	49.0	16.0	80.8	48.3	15.8	32.7	736
Mean	893.4	30.1	44.46	14.67	63.01	49.94	16.45	32.96	
N	34	34	34	34	34	34	34	34	
S.D.	132.64	8.10	5.620	2.032	13.583	1.754	0.729	1.301	

APPENDIX 6-1-M3-1

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Hematological Data

Level and Sex : 100 ppm Male

Animals Killed on Schedule (104 Week)

Experimental No. 82014

Animal Number	RBC Count (10**4 /cmm)	Ht (%)	Hb Conc. (g/dl)	Platelet Count (10**4 /cmm)	MCV (cubic micron)	MCH (pico gram)	MCHC (%)	(Day)
201	752.	39.0	13.1	62.4	51.9	17.4	33.6	733
202	833.	42.0	13.7	55.9	50.4	16.4	32.6	733
205	297. 164.	28.0	7.4	21.5	94.3	24.9	26.4	733
206	823. 16.	41.0	14.1	56.7	49.8	17.1	34.4	733
207	824. 27.	42.5	14.4	62.4	51.6	17.5	33.9	733
208	944. 34.	49.5	16.3	62.9	52.4	17.3	32.9	733
209	860. 21.	44.0	14.6	59.7	51.2	17.0	33.2	733
210	1042. 33.	46.0	14.9	69.5	44.1	14.3	32.4	733
211	915. 17.	44.0	15.2	54.2	48.1	16.6	34.5	733
212	940. 29.	47.5	15.8	60.3	50.5	16.8	33.3	734
213	772. 27.	40.0	13.2	51.9	51.8	17.1	33.0	734
214	936. 22.	46.0	15.5	61.0	49.1	16.6	33.7	734
215	754. 27.	40.5	12.9	65.5	53.7	17.1	31.9	734
216	673. 24.	35.5	12.0	47.4	52.7	17.8	33.8	734
217	540. 28.	34.0	10.5	41.9	63.0	19.4	30.9	734
218	981. 20.	48.0	16.2	49.4	48.9	16.5	33.8	734
219	1078. 24.	52.0	17.6	45.2	48.2	16.3	33.8	734
222	1059. 31.	51.5	17.2	60.6	48.6	16.2	33.4	734
224	921. 22.	45.0	15.4	61.4	48.9	16.7	34.2	735
225	833. 28.	40.5	13.6	65.5	48.6	16.3	33.6	735
226	1152. 44.	53.5	17.8	46.5	46.4	15.5	33.3	735
227	A 929.	A 45.0	A 15.0	A 55.9	A 48.4	A 16.1	A 33.3	735

A : Excluded from statistical calculations because of aggregation

APPENDIX 6-1-M3-1 CONTINUED

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Hematological Data

Level and Sex : 100 ppm Male

Animals Killed on Schedule (104 Week)

Experimental No. 82014

Animal Number	RBC Count (10**4 /cmm)	WBC Count (10**2 /cmm)	Ht (%)	Hb Conc. (g/dl)	Platelet Count (10**4 /cmm)	MCV (cubic micron)	MCH (pico gram)	MCHC (%)	(Day)
228	924.	22.	44.0	14.6	57.2	47.6	15.8	33.2	735
229	1085.	36.	51.0	16.3	30.7	47.0	15.0	32.0	735
230	805.	21.	42.0	13.8	67.5	52.2	17.1	32.9	735
231	1018.	28.	49.0	16.3	56.2	48.1	16.0	33.3	735
232	903.	30.	44.0	15.0	63.9	48.7	16.6	34.1	735
233	969.	49.	44.5	14.8	99.1	45.9	15.3	33.3	735
234	1017.	38.	49.0	17.0	63.4	48.2	16.7	34.7	735
235	912.	33.	40.0	13.1	72.2	43.9	14.4	32.8	735
236	849.	38.	43.0	14.1	78.3	50.6	16.6	32.8	736
237	675.	E >850.	34.5	11.1	37.5	51.1	16.4	32.2	736
238	1109.	54.	52.5	17.0	69.4	47.3	15.3	32.4	736
239	990.	37.	48.0	15.5	59.1	48.5	15.7	32.3	736
240	846.	44.	41.5	13.6	83.3	49.1	16.1	32.8	736
241	900.	34.	43.0	14.5	66.7	47.8	16.1	33.7	736
243	902.	44.	43.0	14.3	82.1	47.7	15.9	33.3	736
246	874.	43.	44.0	14.2	68.2	50.3	16.2	32.3	736
249	814.	69.	40.0	14.2	81.6	49.1	17.4	35.5	736
250	871.	42.	41.0	14.0	71.6	47.1	16.1	34.1	736
251	1268.	52.	57.5	19.2	61.8	45.3	15.1	33.4	736
252	821.	46.	40.5	13.3	77.3	49.3	16.2	32.8	736
Mean	889.8	36.45	43.95	14.57	61.19	50.46	16.60	33.09	
N	41	40	41	41	41	41	41	41	
S.D.	166.58	23.553	5.730	2.108	14.443	7.679	1.622	1.370	

E : Exceeded the upper bound of indicator.

APPENDIX 6-1-M4-1

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Hematological Data

Level and Sex : 1000 ppm Male

Animals Killed on Schedule (104 Week)

Experimental No. 82014

Animal Number	RBC Count (10**4 /cmm)	WBC Count (10**2 /cmm)	Ht (%)	Hb Conc. (g/dl)	Platelet Count (10**4 /cmm)	MCV (cubic micron)	MCH (pico gram)	MCHC (%)	(Day)
301	928.	22.	46.0	15.1	53.9	49.6	16.3	32.8	733
302	781.	25.	40.5	13.1	58.1	51.9	16.8	32.3	733
303	1176.	27.	57.0	19.1	48.8	48.5	16.2	33.5	733
304	835.	23.	42.5	14.4	59.7	50.9	17.2	33.9	733
305	868.	35.	39.0	12.8	89.8	44.9	14.7	32.8	733
306	940.	25.	46.0	15.3	59.2	48.9	16.3	33.3	733
308	938.	22.	45.0	15.2	55.3	48.0	16.2	33.8	733
310	944.	26.	46.0	15.7	53.7	48.7	16.6	34.1	733
313	969.	32.	47.0	15.5	59.7	48.5	16.0	33.0	733
314	827.	44.	41.0	13.9	81.3	49.6	16.8	33.9	734
315	914.	33.	45.0	15.1	58.4	49.2	16.5	33.6	734
316	896.	23.	42.5	14.5	54.7	47.4	16.2	34.1	734
317	941.	27.	48.0	15.6	50.9	51.0	16.6	32.5	734
320	1031.	26.	48.0	16.1	56.7	46.6	15.6	33.5	734
326	924.	30.	41.5	15.0	55.1	44.9	16.2	36.1	734
327	946.	37.	47.0	15.1	61.9	49.7	16.0	32.1	734
328	682.	23.	36.0	11.4	67.1	52.8	16.7	31.7	734
330	816.	27.	39.0	13.3	53.4	47.8	16.3	34.1	734
331	852.	34.	41.5	14.2	59.6	48.7	16.7	34.2	735
333	1113.	37.	52.0	17.0	58.2	46.7	15.3	32.7	735
335	1093.	45.	52.0	16.9	59.6	47.6	15.5	32.5	735
336	1204.	33.	57.5	18.7	58.2	47.8	15.5	32.5	735

APPENDIX 6-1-M4-1 CONTINUED

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Hematological Data

Level and Sex : 1000 ppm Male

Animals Killed on Schedule (104 Week)

Experimental No. 82014

Animal Number	RBC Count (10**4 /cmm)	WBC Count (10**2 /cmm)	Ht (%)	Hb Conc. (g/dl)	Platelet Count (10**4 /cmm)	MCV (cubic micron)	MCH (pico gram)	MCHC (%)	(Day)
337	919.	40.	44.5	15.3	75.6	48.4	16.6	34.4	735
338	1192.	44.	56.5	18.7	64.6	47.4	15.7	33.1	735
340	943.	35.	45.0	15.4	64.4	47.7	16.3	34.2	735
341	924.	36.	45.0	15.5	63.0	48.7	16.8	34.4	735
342	867.	27.	42.0	13.6	60.7	48.4	15.7	32.4	736
343	618.	53.	33.5	10.3	54.3	54.2	16.7	30.7	736
344	904.	22.	44.0	14.5	56.1	48.7	16.0	33.0	736
345	968.	22.	47.0	15.5	55.6	48.6	16.0	33.0	736
347	930.	E >850.	44.0	14.5	36.6	47.3	15.6	33.0	736
348	951.	53.	46.0	14.9	66.9	48.4	15.7	32.4	736
351	890.	43.	43.0	13.9	65.2	48.3	15.6	32.3	736
Mean	931.0	32.21	45.17	15.00	59.89	48.66	16.15	33.21	
N	33	32	33	33	33	33	33	33	
S.D.	126.27	9.033	5.412	1.833	9.363	1.918	0.541	1.004	

E : Exceeded the upper bound of indicator.

APPENDIX 6-1-Fl-1

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Hematological Data

Level and Sex : 0 ppm Female

Animals Killed on Schedule (104 Week)

Experimental No. 82014

Animal Number	RBC Count (10**4 /cmm)	WBC Count (10**2 /cmm)	Ht (%)	Hb Conc. (g/dl)	Platelet Count (10**4 /cmm)	MCV (cubic micron)	MCH (pico gram)	MCHC (%)	(Day)
1001	843.	31.	44.0	14.9	55.0	52.2	17.7	33.9	740
1002	473.	28.	23.5	6.1	66.8	49.7	12.9	26.0	740
1003	A 739.	A 30.	39.5	A 12.5	A 42.0	A 53.5	A 16.9	A 31.6	740
1008	875.	37.	43.0	15.1	67.0	49.1	17.3	35.1	740
1009	748.	42.	36.0	12.6	56.3	48.1	16.8	35.0	740
1010	881.	44.	45.0	15.0	57.8	51.1	17.0	33.3	740
1013	818.	22.	41.5	14.2	50.9	50.7	17.4	34.2	740
1016	818.	29.	42.0	14.4	49.8	51.3	17.6	34.3	740
1018	724.	18.	39.0	13.4	46.8	53.9	18.5	34.4	740
1019	757.	21.	40.0	14.0	41.3	52.8	18.5	35.0	741
1020	868.	25.	46.5	15.2	45.0	53.6	17.5	32.7	741
1021	A 764.	A 24.	43.0	A 13.4	A 46.2	A 56.3	A 17.5	A 31.2	741
1022	850.	20.	43.0	14.4	55.0	50.6	16.9	33.5	741
1023	700.	72.	37.0	12.3	32.6	52.9	17.6	33.2	741
1024	796.	28.	40.0	13.5	45.3	50.3	17.0	33.8	741
1025	843.	26.	41.0	14.1	58.1	48.6	16.7	34.4	741
1026	882.	24.	43.0	15.1	49.0	48.8	17.1	35.1	741
1029	855.	22.	42.0	14.5	49.7	49.1	17.0	34.5	741
1030	796.	24.	42.0	14.3	58.2	52.8	18.0	34.0	742
1031	682.	40.	35.5	11.9	107.9	52.1	17.4	33.5	742
1032	786.	21.	43.0	14.2	46.9	54.7	18.1	33.0	742
1034	817.	28.	42.0	14.5	50.2	51.4	17.7	34.5	742

A : Excluded from statistical calculations because of aggregation

APPENDIX 6-1-Fl-1 CONTINUED

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Hematological Data

Level and Sex : 0 ppm Female

Animals Killed on Schedule (104 Week)

Experimental No. 82014

Animal Number	RBC Count (10**4 /cmm)	WBC Count (10**2 /cmm)	Ht (%)	Hb Conc. (g/dl)	Platelet Count (10**4 /cmm)	MCV (cubic micron)	MCH (pico gram)	MCHC (%)	(Day)
1035	453.	68.	29.5	9.1	32.5	65.1	20.1	30.8	742
1038	364.	103.	27.5	8.6	30.1	75.5	23.6	31.3	742
1039	848.	21.	44.0	15.0	49.7	51.9	17.7	34.1	742
1040	847.	21.	44.5	15.0	52.5	52.5	17.7	33.7	743
1042	852.	27.	44.0	14.9	52.2	51.6	17.5	33.9	743
1046	815.	17.	41.0	14.1	50.3	50.3	17.3	34.4	743
1047	847.	34.	43.5	14.7	64.8	51.4	17.4	33.8	743
1048	A 918.	A 22.	A 45.0	A 16.0	A 8.9	A 49.0	A 17.4	A 35.6	743
1052	624.	35.	36.0	12.7	83.1	57.7	20.4	35.3	743
Mean	766.5	33.1	39.96	13.49	53.74	52.85	17.73	33.60	
N	28	28	28	28	28	28	28	28	
S.D.	135.38	19.04	5.460	2.194	15.264	5.520	1.693	1.813	

A : Excluded from statistical calculations because of aggregation

APPENDIX 6-1-F2-1

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Hematological Data

Level and Sex : 10 ppm Female

Animals Killed on Schedule (104 Week)

Experimental No. 82014

Animal Number	RBC Count (10**4 /cmm)	WBC Count (10**2 /cmm)	Ht (%)	Hb Conc. (g/dl)	Platelet Count (10**4 /cmm)	MCV (cubic micron)	MCH (pico gram)	MCHC (%)	(Day)
1101	857.	57.	42.5	14.4	60.4	49.6	16.8	33.9	740
1102	A 812.	A 27.	A 42.0	A 14.2	A 54.2	A 51.7	A 17.5	A 33.8	740
1103	834.	29.	40.0	14.0	45.8	48.0	16.8	35.0	740
1104	800.	34.	40.0	13.5	45.9	50.0	16.9	33.8	740
1106	A 549.	A 26.	A 41.0	A 5.2	A 33.7	A 74.7	A 9.5	A 12.7	740
1107	827.	35.	42.0	14.1	54.7	50.8	17.0	33.6	740
1108	823.	35.	41.5	14.4	50.3	50.4	17.5	34.7	740
1109	633.	20.	34.5	11.5	31.7	54.5	18.2	33.3	740
1111	882.	27.	44.5	15.4	49.5	50.5	17.5	34.6	740
1113	866.	33.	44.0	15.1	35.9	50.8	17.4	34.3	741
1114	852.	29.	44.0	14.6	45.9	51.6	17.1	33.2	741
1115	574.	28.	34.5	11.2	32.5	60.1	19.5	32.5	741
1116	812.	22.	41.0	13.9	51.2	50.5	17.1	33.9	741
1117	782.	23.	40.0	13.9	51.5	51.2	17.8	34.8	741
1118	844.	24.	43.0	14.5	50.1	50.9	17.2	33.7	741
1123	834.	19.	43.0	14.4	47.7	51.6	17.3	33.5	741
1125	833.	24.	40.5	14.1	56.3	48.6	16.9	34.8	741
1126	714.	98.	38.0	12.2	44.3	53.2	17.1	32.1	741
1128	756.	17.	41.0	13.3	45.3	54.2	17.6	32.4	742
1131	789.	15.	41.0	13.7	45.2	52.0	17.4	33.4	742
1132	714.	23.	38.5	13.3	52.8	53.9	18.6	34.5	742
1133	747.	25.	40.5	13.2	38.8	54.2	17.7	32.6	742

A : Excluded from statistical calculations because of aggregation

APPENDIX 6-1-F2-1 CONTINUED

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Hematological Data

Level and Sex : 10 ppm Female

Animals Killed on Schedule (104 Week)

Experimental No. 82014

Animal Number	RBC Count (10**4 /cmm)	WBC Count (10**2 /cmm)	Ht (%)	Hb Conc. (g/dl)	Platelet Count (10**4 /cmm)	MCV (cubic micron)	MCH (pico gram)	MCHC (%)	(Day)
1136	851.	22.	46.5	15.5	59.1	54.6	18.2	33.3	742
1138	711.	12.	40.0	13.3	40.9	56.3	18.7	33.3	742
1142	809.	21.	42.0	14.4	48.4	51.9	17.8	34.3	742
1143	861.	21.	44.0	14.5	52.0	51.1	16.8	33.0	743
1144	A 840.	A 15.	A 44.5	A 14.8	A 7.7	A 53.0	A 17.6	A 33.3	743
1145	802.	21.	42.5	13.6	23.6	53.0	17.0	32.0	743
1146	863.	25.	43.0	14.7	60.2	49.8	17.0	34.2	743
1148	712.	19.	41.0	13.9	50.4	57.6	19.5	33.9	743
1149	801.	26.	40.0	13.3	62.5	49.9	16.6	33.3	743
1151	801.	22.	41.0	14.0	55.7	51.2	17.5	34.1	743
Mean	792.6	27.8	41.17	13.86	47.88	52.14	17.53	33.66	
N	29	29	29	29	29	29	29	29	
S.D.	72.49	15.85	2.623	0.988	9.090	2.698	0.761	0.825	

A : Excluded from statistical calculations because of aggregation

APPENDIX 6-1-F3-1

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Hematological Data

Level and Sex : 100 ppm Female

Animals Killed on Schedule (104 Week)

Experimental No. 82014

Animal Number	RBC Count (10**4 /cmm)	WBC Count (10**2 /cmm)	Ht (%)	Hb Conc. (g/dl)	Platelet Count (10**4 /cmm)	MCV (cubic micron)	MCH (pico gram)	MCHC (%)	(Day)
1201	850.	30.	43.0	14.5	45.4	50.6	17.1	33.7	740
1203	778.	50.	41.0	13.7	59.4	52.7	17.6	33.4	740
1205	830.	29.	40.5	14.3	48.0	48.8	17.2	35.3	740
1206	779.	35.	40.0	13.1	41.5	51.3	16.8	32.8	740
1208	849.	30.	43.0	14.8	54.7	50.6	17.4	34.4	740
1210	809.	34.	44.0	14.7	31.2	54.4	18.2	33.4	740
1211	812.	30.	41.0	14.1	51.2	50.5	17.4	34.4	740
1213	812.	24.	42.0	14.3	53.9	51.7	17.6	34.0	740
1214	782.	32.	40.5	13.9	42.1	51.8	17.8	34.3	740
1216	842.	23.	44.0	14.3	55.4	52.3	17.0	32.5	741
1217	746.	45.	38.0	12.9	41.7	50.9	17.3	33.9	741
1219	793.	14.	43.0	14.1	37.0	54.2	17.8	32.8	741
1220	823.	19.	42.0	14.4	49.4	51.0	17.5	34.3	741
1222	520.	50.	34.0	10.8	25.3	65.4	20.8	31.8	741
1228	797.	24.	40.0	13.6	39.1	50.2	17.1	34.0	741
1229	826.	33.	40.5	13.7	65.0	49.0	16.6	33.8	741
1231	778.	28.	40.0	13.5	45.3	51.4	17.4	33.8	741
1232	849.	38.	41.5	14.0	55.7	48.9	16.5	33.7	741
1234	831.	19.	42.5	14.6	52.7	51.1	17.6	34.4	742
1237	836.	19.	42.5	14.4	52.4	50.8	17.2	33.9	742
1238	881.	32.	46.0	15.2	49.3	52.2	17.3	33.0	742
1239	A 796.	A 15.	A 42.0	A 12.9	A 54.8	A 52.8	A 16.2	A 30.7	742

A : Excluded from statistical calculations because of aggregation

APPENDIX 6-1-F3-1 CONTINUED

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Hematological Data

Level and Sex : 100 ppm Female

Animals Killed on Schedule (104 Week)

Experimental No. 82014

Animal Number	RBC Count (10**4 /cmm)	WBC Count (10**2 /cmm)	Ht (%)	Hb Conc. (g/dl)	Platelet Count (10**4 /cmm)	MCV (cubic micron)	MCH (pico gram)	MCHC (%)	(Day)
1240	750.	21.	43.0	13.5	49.7	57.3	18.0	31.4	742
1242	792.	18.	41.5	13.9	51.1	52.4	17.6	33.5	742
1245	867.	18.	44.5	15.3	58.1	51.3	17.6	34.4	742
1246	820.	31.	44.5	14.4	56.1	54.3	17.6	32.4	743
1247	A 572.	A 24.	A 36.5	A 11.3	A 13.0	A 63.8	A 19.8	A 31.0	743
1248	833.	17.	44.0	14.7	50.3	52.8	17.6	33.4	743
1251	862.	18.	43.5	15.0	49.2	50.5	17.4	34.5	743
1252	856.	23.	43.0	14.8	51.9	50.2	17.3	34.4	743
Mean	807.3	28.0	41.89	14.09	48.65	52.09	17.51	33.63	
N	28	28	28	28	28	28	28	28	
S.D.	65.97	9.65	2.351	0.875	8.579	3.188	0.748	0.881	

A : Excluded from statistical calculations because of aggregation

APPENDIX 6-1-F4-1

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Hematological Data

Level and Sex : 1000 ppm Female

Animals Killed on Schedule (104 Week)

Experimental No. 82014

Animal Number	RBC Count (10**4 /cmm)	WBC Count (10**2 /cmm)	Ht (%)	Hb Conc. (g/dl)	Platelet Count (10**4 /cmm)	MCV (cubic micron)	MCH (pico gram)	MCHC (%)	(Day)
1301	A 844.	A 32.	A 41.5	A 14.4	A 6.2	A 49.2	A 17.1	A 34.7	740
1303	827.	33.	42.0	14.1	57.2	50.8	17.0	33.6	740
1304	877.	34.	44.0	15.0	62.8	50.2	17.1	34.1	740
1306	856.	29.	42.5	14.4	50.7	49.6	16.8	33.9	740
1307	830.	38.	42.0	14.0	48.1	50.6	16.9	33.3	740
1310	833.	30.	42.0	14.5	51.2	50.4	17.4	34.5	740
1313	816.	28.	42.0	14.9	50.3	51.5	18.3	35.5	740
1314	536.	63.	33.0	10.8	35.1	61.6	20.1	32.7	740
1316	1071.	25.	46.5	15.3	40.0	43.4	14.3	32.9	740
1317	854.	22.	42.0	14.7	49.0	49.2	17.2	35.0	741
1320	883.	25.	44.5	15.1	52.4	50.4	17.1	33.9	741
1321	818.	18.	44.0	14.2	46.5	53.8	17.4	32.3	741
1322	749.	29.	41.0	13.2	42.9	54.7	17.6	32.2	741
1323	830.	22.	42.0	14.3	54.6	50.6	17.2	34.0	741
1324	732.	60.	36.5	12.3	32.1	49.9	16.8	33.7	741
1326	545.	44.	33.0	10.4	41.5	60.6	19.1	31.5	741
1327	787.	29.	40.0	13.3	56.4	50.8	16.9	33.3	741
1330	777.	19.	38.5	13.4	49.9	49.5	17.2	34.8	741
1331	870.	23.	44.0	14.6	58.9	50.6	16.8	33.2	742
1332	844.	22.	43.0	14.2	56.8	50.9	16.8	33.0	742
1334	800.	22.	44.0	14.1	24.5	55.0	17.6	32.0	742
1336	886.	28.	46.5	15.4	55.3	52.5	17.4	33.1	742

A : Excluded from statistical calculations because of aggregation

APPENDIX 6-1-F4-1 CONTINUED

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Hematological Data

Level and Sex : 1000 ppm Female

Animals Killed on Schedule (104 Week)

Experimental No. 82014

Animal Number	RBC Count (10**4 /cmm)	WBC Count (10**2 /cmm)	Ht (%)	Hb Conc. (g/dl)	Platelet Count (10**4 /cmm)	MCV (cubic micron)	MCH (pico gram)	MCHC (%)	(Day)
1338	A 836.	A 36.	A 40.5	A 14.5	A 11.8	A 48.4	A 17.3	A 35.8	742
1339	867.	22.	44.0	14.9	60.5	50.7	17.2	33.9	742
1340	856.	22.	45.0	15.0	58.5	52.6	17.5	33.3	742
1341	A 693.	A 32.	A 40.0	A 12.3	A 51.3	A 57.7	A 17.7	A 30.8	742
1343	789.	34.	45.5	14.6	66.7	57.7	18.5	32.1	742
1345	817.	23.	43.0	14.1	52.7	52.6	17.3	32.8	743
1346	A 880.	A 29.	A 43.5	A 14.6	A 12.5	A 49.4	A 16.6	A 33.6	743
1347	754.	82.	39.0	12.4	43.2	51.7	16.4	31.8	743
1348	874.	21.	44.0	14.8	56.5	50.3	16.9	33.6	743
1349	847.	18.	42.0	14.3	50.7	49.6	16.9	34.0	743
1350	827.	28.	41.5	14.2	43.4	50.2	17.2	34.2	743
1351	719.	17.	38.5	12.7	44.3	53.5	17.7	33.0	743
1352	858.	25.	43.5	14.7	51.9	50.7	17.1	33.8	743
Mean	813.8	30.2	41.90	14.00	49.83	51.81	17.28	33.39	
N	31	31	31	31	31	31	31	31	
S.D.	95.91	14.40	3.303	1.203	9.143	3.428	0.924	0.951	

A : Excluded from statistical calculations because of aggregation

APPENDIX 6-2-M1-1

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Hematological Data

Level and Sex : 0 ppm Male

Animals Killed in Extremis

Experimental No. 82014

Animal Number	RBC Count (10**4 /cmm)	WBC Count (10**2 /cmm)	Ht (%)	Hb Conc. (g/dl)	Platelet Count (10**4 /cmm)	MCV (cubic micron)	MCH (pico gram)	MCHC (%)	(Day)
7	740.	29.	36.0	12.6	73.3	48.6	17.0	35.0	721
8	468.	641.	24.0	7.9	28.9	51.3	16.9	32.9	687
10	869.	160.	43.0	14.8	67.5	49.5	17.0	34.4	608
13	416.	86.	21.5	6.2	34.7	51.7	14.9	28.8	714
16	491.	E > 850.	26.5	8.1	27.8	54.0	16.5	30.6	435
21	771.	C	41.0	C	53.1	53.2	17.1	C	726
22	333.	21.	19.0	5.4	109.5	57.1	16.2	28.4	670
24	972.	25.	48.0	15.6	68.5	49.4	16.0	32.5	673
27	745.	22.	28.5	8.9	75.3	38.3	11.9	31.2	623
29	925.	23.	44.0	15.4	51.6	47.6	16.6	35.0	356
34	211.	355.	20.0	5.3	30.7	94.8	25.1	26.5	686
43	824.	136.	37.5	12.1	71.0	45.5	14.7	32.3	701
49	690.	22.	31.0	10.0	67.8	44.9	14.5	32.3	729
50	909.	33.	41.0	14.5	66.8	45.1	16.0	35.4	706
52	1007.	34.	49.0	17.1	46.1	48.7	17.0	34.9	347

C : Not measured because of clotting , E : Exceeded the upper bound of indicator .

APPENDIX 6-2-M2-1

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Hematological Data

Level and Sex : 10 ppm Male

Animals Killed in Extremis

Experimental No. 82014

Animal Number	RBC Count (10**4 /cmm)	WBC Count (10**2 /cmm)	Ht (%)	Hb Conc. (g/dl)	Platelet Count (10**4 /cmm)	MCV (cubic micron)	MCH (pico gram)	MCHC (%)	(Day)
101	449.	60.	27.0	8.7	59.2	60.1	19.4	32.2	712
105	844.	25.	40.5	14.3	59.5	48.0	16.9	35.3	665
109	556.	74.	36.3	4.0	8.0	65.3	7.2	11.0	579
110	698.	52.	31.0	9.5	112.9	44.4	13.6	30.6	721
112	640.	75.	31.0	10.1	78.7	48.4	15.8	32.6	537
115	208.	99.	18.0	5.8	13.1	86.5	27.9	32.2	711
118	601.	48.	31.5	10.0	27.7	52.4	16.6	31.7	519
119	851.	50.	40.1	14.4	51.8	47.1	16.9	35.9	697
123	793.	28.	38.0	13.1	90.1	47.9	16.5	34.5	715
125	719.	35.	36.0	12.0	65.0	50.1	16.7	33.3	644
126	754.	42.	40.0	12.8	8.9	53.1	17.0	32.0	636
133	545.	E >850.	33.5	10.6	24.9	61.5	19.4	31.6	613
135	829.	499.	43.0	13.1	36.4	51.9	15.8	30.5	666
139	555.	E >850.	38.0	11.5	12.2	68.5	20.7	30.3	396
150	120.	90.	7.0	3.0	44.8	58.3	25.0	42.9	690

E : Exceeded the upper bound of indicator.

APPENDIX 6-2-M3-1

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Hematological Data

Level and Sex : 100 ppm Male

Animals Killed in Extremis

Experimental No. 82014

Animal Number	RBC Count (10**4 /cmm)	WBC Count (10**2 /cmm)	Ht (%)	Hb Conc. (g/dl)	Platelet Count (10**4 /cmm)	MCV (cubic micron)	MCH (pico gram)	MCHC (%)	(Day)
204	447.	64.	28.0	8.0	56.9	62.6	17.9	28.6	631
223	291.	32.	17.5	4.2	27.4	60.1	14.4	24.0	463
244	199.	493.	18.7	4.1	20.7	94.0	20.6	21.9	694
245	227.	22.	13.0	3.4	79.7	57.3	15.0	26.2	671
247	737.	87.	36.0	11.7	68.4	48.8	15.9	32.5	540

APPENDIX 6-2-M4-1

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Hematological Data

Level and Sex : 1000 ppm Male

Animals Killed in Extremis

Experimental No. 82014

Animal Number	RBC Count (10**4 /cmm)	WBC Count (10**2 /cmm)	Ht (%)	Hb Conc. (g/dl)	Platelet Count (10**4 /cmm)	MCV (cubic micron)	MCH (pico gram)	MCHC (%)	(Day)
307	563.	E >850.	49.0	9.6	44.6	87.0	17.1	19.6	690
309	742.	37.	35.3	11.4	46.6	47.6	15.4	32.3	574
311	404.	662.	28.0	8.4	45.6	69.3	20.8	30.0	720
312	1052.	131.	49.5	16.2	70.2	47.1	15.4	32.7	559
318	C 247.	C 38.	C 16.0	C 4.0	C 1.1	C 64.8	C 16.2	C 25.0	610
321	778.	16.	35.0	12.9	60.0	45.0	16.6	36.9	711
322	305.	E >850.	19.0	6.3	10.6	62.3	20.7	33.2	588
323	1016.	55.	48.5	16.1	78.1	47.7	15.8	33.2	687
325	209.	E >850.	22.9	4.6	28.4	109.6	22.0	20.1	694
329	741.	124.	34.0	11.7	19.4	45.9	15.8	34.4	713
332	128.	282.	17.0	4.1	3.1	132.8	32.0	24.1	659
339	319.	49.	59.5	20.7	38.5	186.5	64.9	34.8	712
349	881.	701.	43.5	15.0	23.0	49.4	17.0	34.5	729

C :Not measured because of clotting , E :Exceeded the upper bound of indicator.

APPENDIX 6-2-F1-1

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Hematological Data

Level and Sex : 0 ppm Female

Animals Killed in Extremis

Experimental No. 82014

Animal Number	RBC Count (10**4 /cmm)	WBC Count (10**2 /cmm)	Ht (%)	Hb Conc. (g/dl)	Platelet Count (10**4 /cmm)	MCV (cubic micron)	MCH (pico gram)	MCHC (%)	(Day)
1004	778.	27.	40.5	13.9	75.4	52.1	17.9	34.3	616
1005	818.	15.	39.0	13.6	64.3	47.7	16.6	34.9	691
1006	C 839.	C 13.	41.0	C 14.8	C 1.0	C 48.9	C 17.6	C 36.1	616
1007	827.	35.	42.0	14.4	67.2	50.8	17.4	34.3	596
1014	898.	70.	46.0	15.2	1.9	51.2	16.9	33.0	651
1015	906.	19.	46.0	15.3	49.4	50.8	16.9	33.3	547
1027	835.	21.	43.5	14.9	34.7	52.1	17.8	34.3	645
1028	327.	45.	23.0	6.8	9.8	70.3	20.8	29.6	687
1033	148.	455.	12.5	4.3	15.6	84.5	29.1	34.4	715
1036	859.	45.	42.8	14.6	56.1	49.8	17.0	34.1	694
1037	234.	E >850.	12.0	4.5	10.2	51.3	19.2	37.5	721
1043	567.	692.	30.5	9.7	7.1	53.8	17.1	31.8	708
1045	350.	97.	21.0	6.7	69.2	60.0	19.1	31.9	572
1049	C 919.	C 29.	C 48.0	C 15.7	C 33.6	C 52.2	C 17.1	C 32.7	686
1050	122.	699.	15.5	3.6	17.9	127.0	29.5	23.2	499
1051	284.	697.	18.5	6.0	14.1	65.1	21.1	32.4	733

C : Not measured because of clotting , E :Exceeded the upper bound of indicator.

APPENDIX 6-2-F2-1

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Hematological Data

Level and Sex : 10 ppm Female

Animals Killed in Extremis

Experimental No. 82014

Animal Number	RBC Count (10**4 /cmm)	WBC Count (10**2 /cmm)	Ht (%)	Hb Conc. (g/dl)	Platelet Count (10**4 /cmm)	MCV (cubic micron)	MCH (pico gram)	MCHC (%)	(Day)
1105	708.	15.	36.5	12.9	86.9	51.6	18.2	35.3	722
1112	809.	32.	43.0	14.2	85.3	53.2	17.6	33.0	550
1119	90.	608.	12.0	2.6	9.5	133.3	28.9	21.7	561
1120	234.	E >850.	21.0	6.5	9.2	89.7	27.8	31.0	659
1121	545.	52.	29.5	9.2	71.2	54.1	16.9	31.2	687
1122	266.	20.	15.0	3.0	26.3	56.4	11.3	20.0	676
1124	461.	23.	34.0	10.1	15.5	73.8	21.9	29.7	735
1127	888.	28.	47.0	15.7	70.0	52.9	17.7	33.4	638
1129	C 660.	C 1.	C 35.5	C 12.0	C 1.3	C 53.8	C 18.2	C 33.8	659
1134	227.	326.	22.0	6.3	17.0	96.9	27.8	28.6	680
1137	525.	E >850.	25.0	9.2	37.7	47.6	17.5	36.8	713
1139	96.	124.	12.0	3.1	6.9	125.0	32.3	25.8	680
1140	434.	E >850.	22.5	7.4	21.5	51.8	17.1	32.9	721
1141	330.	E >850.	22.0	6.4	25.3	66.7	19.4	29.1	666
1147	112.	E >850.	10.0	3.2	16.9	89.3	28.6	32.0	629
1150	859.	13.	42.0	14.4	66.6	48.9	16.8	34.3	631
1152	895.	13.	44.5	15.4	1.2	49.7	17.2	34.6	729

C : Not measured because of clotting , E : Exceeded the upper bound of indicator.

APPENDIX 6-2-F3-1

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Hematological Data

Level and Sex : 100 ppm Female

Animals Killed in Extremis

Experimental No. 82014

Animal Number	RBC Count (10**4 /cmm)	WBC Count (10**2 /cmm)	Ht (%)	Hb Conc. (g/dl)	Platelet Count (10**4 /cmm)	MCV (cubic micron)	MCH (pico gram)	MCHC (%)	(Day)
1202	160.	32.	14.0	4.5	27.7	87.5	28.1	32.1	657
1207	157.	258.	11.0	3.5	18.4	70.1	22.3	31.8	666
1209	497.	107.	28.5	9.0	14.6	57.3	18.1	31.6	658
1212	838.	17.	43.0	14.8	65.4	51.3	17.7	34.4	617
1215	842.	20.	42.0	14.9	58.0	49.9	17.7	35.5	427
1218	815.	18.	40.0	13.6	65.0	49.1	16.7	34.0	728
1221	334.	E >850.	36.0	8.3	17.8	107.8	24.9	23.1	560
1223	155.	292.	12.5	4.2	7.2	80.6	27.1	33.6	720
1225	213.	230.	19.0	6.1	10.3	89.2	28.6	32.1	718
1226	756.	34.	36.0	12.7	75.0	47.6	16.8	35.3	732
1227	812.	12.	41.5	15.3	6.8	51.1	18.8	36.9	575
1230	583.	37.	33.8	10.5	53.0	58.0	18.0	31.1	607
1235	285.	125.	15.1	3.5	33.6	53.0	12.3	23.2	665
1236	980.	64.	50.0	16.6	93.6	51.0	16.9	33.2	727
1244	674.	88.	35.5	11.9	43.6	52.7	17.7	33.5	609

E : Exceeded the upper bound of indicator.

APPENDIX 6-2-F4-1

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Hematological Data

Level and Sex : 1000 ppm Female

Animals Killed in Extremis

Experimental No. 82014

Animal Number	RBC Count (10**4 /cmm)	WBC Count (10**2 /cmm)	Ht (%)	Hb Conc. (g/dl)	Platelet Count (10**4 /cmm)	MCV (cubic micron)	MCH (pico gram)	MCHC (%)	(Day)
1305	457.	841.	31.0	9.8	22.4	67.8	21.4	31.6	690
1308	462.	58.	28.5	9.6	48.8	61.7	20.8	33.7	722
1309	367.	E >850.	19.5	7.1	12.1	53.1	19.3	36.4	732
1311	677.	40.	39.0	11.3	13.8	57.6	16.7	29.0	671
1312	271.	25.	15.0	3.1	2.0	55.4	11.4	20.7	652
1318	304.	110.	21.5	5.5	3.4	70.7	18.1	25.6	632
1319	175.	446.	16.5	2.3	74.8	94.3	13.1	13.9	735
1325	598.	65.	36.0	10.0	62.5	60.2	16.7	27.8	683
1328	804.	42.	40.0	13.1	81.0	49.8	16.3	32.8	736
1333	309.	74.	18.0	5.0	128.6	58.3	16.2	27.8	736
1335	836.	15.	38.0	13.0	67.3	45.5	15.6	34.2	728
1337	848.	12.	46.6	14.7	63.8	55.0	17.3	31.5	694
1344	318.	521.	28.5	8.8	15.1	89.6	27.7	30.9	718

E : Exceeded the upper bound of indicator.

APPENDIX 6-1-M1-2

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY OF METHANOL IN F344 RATS

INDIVIDUAL HEMATOLOGICAL DATA (HEMOGRAM-1)

LEVEL AND SEX : 0 PPM (MALE)

ANIMALS KILLED ON SCHEDULE (104 WEEKS)

EXPERIMENTAL NO. 82014

DIFFERENTIAL LEUCOCYTES COUNT (NUMBER OF CELLS PER HUNDRED)

ANIMAL NUMBER	NEUTROPHILS SEGMENT.	STAB.	EOSINO- PHILS	BASO- PHILS	LYMPHO- CYTES	PLASMO- CYTES	MONOCYTES	OTHERS	(DAY)
1	49	5	2	0	44	0	0	0	733
2	36	6	0	0	58	0	0	0	733
3	48	1	2	0	49	0	0	0	733
4	33	1	3	0	63	0	0	0	733
5	33	7	3	0	57	0	0	0	733
6	39	3	1	0	57	0	0	0	733
9	35	5	3	0	57	0	0	0	733
11	47	4	0	0	49	0	0	0	733
12	44	0	1	0	55	0	0	0	733
14	37	6	1	0	56	0	0	0	734
15	67	2	5	0	26	0	0	0	734
17	80	1	1	0	18	0	0	0	734
18	70	1	1	0	28	0	0	0	734
19	40	2	3	0	55	0	0	0	734
20	61	2	2	0	35	0	0	0	734
23	51	4	4	0	41	0	0	0	734
25	35	2	4	0	59	0	0	0	734
26	56	1	1	0	42	0	0	0	734
28	35	1	1	0	63	0	0	0	735
30	46	0	3	0	51	0	0	0	735

APPENDIX 6-1-M1-2 CONTINUED

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

INDIVIDUAL HEMATOLOGICAL DATA (HEMOGRAM-1)

LEVEL AND SEX : 0 PPM (MALE)

ANIMALS KILLED ON SCHEDULE (104 WEEKS)

EXPERIMENTAL NO. 82014

DIFFERENTIAL LEUCOCYTES COUNT (NUMBER OF CELLS PER HUNDRED)

ANIMAL NUMBER	NEUTROPHILS SEGMENT.	EOSINO- PHILS	BASO- PHILS	LYMPHO- CYTES	PLASMO- CYTES	MONOCYTES	OTHERS	(DAY)
31	61	0	0	38	0	0	0	735
32	56	0	0	41	0	0	0	735
33	A 30	A 1	A 0	A 68	A 0	A 0	A 0	735
35	58	2	0	39	0	0	0	735
36	38	2	0	58	0	0	0	735
37	31	2	0	64	0	0	0	735
38	52	2	0	46	0	0	0	735
39	40	0	0	59	0	0	0	736
40	48	1	0	49	0	0	0	736
41	30	1	0	65	0	0	0	736
42	35	0	0	64	0	0	0	736
45	45	0	0	53	0	0	0	736
46	48	0	0	52	0	0	0	736
47	44	1	0	54	0	0	0	736
48	A 35	A 3	A 0	A 60	A 0	A 0	A 0	736
51	64	2	0	32	0	0	0	736

MEAN	46.8	2.0	1.9	49.3	0.0	0.0	0.0
S.D.	12.34	1.96	1.27	11.90	0.0	0.0	0.0
N	34	34	34	34	34	34	34

A ; EXCLUDED FROM STATISTICAL CALCULATIONS BECAUSE OF AGGREGATION

APPENDIX 6-1-M2-2

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

INDIVIDUAL HEMATOLOGICAL DATA (HEMOGRAM-1)

LEVEL AND SEX : 10 PPM (MALE)

ANIMALS KILLED ON SCHEDULE (104 WEEKS)

EXPERIMENTAL NO. 82014

ANIMAL NUMBER	DIFFERENTIAL LEUCOCYTES COUNT (NUMBER OF CELLS PER HUNDRED)										(DAY)
	NEUTROPHILS SEGMENT.	STAB.	EOSINO- PHILS	BASO- PHILS	LYMPHO- CYTES	PLASMO- CYTES.	MONOCYTES	OTHERS	OTHERS		
102	62	1	2	0	35	0	0	0	0	733	
103	43	0	4	0	53	0	0	0	0	733	
104	53	2	3	0	42	0	0	0	0	733	
106	52	1	0	0	47	0	0	0	0	733	
107	54	1	3	0	42	0	0	0	0	733	
108	45	0	1	0	54	0	0	0	0	733	
111	45	0	2	0	53	0	0	0	0	733	
113	62	1	1	0	36	0	0	0	0	733	
114	40	1	3	0	56	0	0	0	0	733	
116	40	7	1	0	52	0	0	0	0	734	
117	39	4	3	0	54	0	0	0	0	734	
120	43	1	2	0	54	0	0	0	0	734	
121	59	1	0	0	40	0	0	0	0	734	
122	48	5	2	0	45	0	0	0	0	734	
124	34	3	2	0	61	0	0	0	0	734	
127	40	2	2	0	56	0	0	0	0	734	
128	53	0	4	0	43	0	0	0	0	734	
129	43	3	3	0	51	0	0	0	0	734	
130	48	3	2	0	47	0	0	0	0	735	
131	66	3	0	0	31	0	0	0	0	735	

APPENDIX 6-1-M2-2 CONTINUED

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

INDIVIDUAL HEMATOLOGICAL DATA (HEMOGRAM-1)

LEVEL AND SEX : 10 PPM (MALE)

ANIMALS KILLED ON SCHEDULE (104 WEEKS)

EXPERIMENTAL NO. 82014

DIFFERENTIAL LEUCOCYTES COUNT (NUMBER OF CELLS PER HUNDRED)									
ANIMAL	NEUTROPHILS		EOSINO-	BASO-	LYMPHO-	PLASMO-	MONOCYTES	OTHERS	(DAY)
NUMBER	SEGMENT.	STAB.	PHILS	PHILS	CYTES	CYTES			
134	56	2	1	0	41	0	0	0	735
137	33	3	1	0	63	0	0	0	735
138	51	2	1	0	46	0	0	0	735
140	32	1	2	0	65	0	0	0	735
141	32	2	4	0	62	0	0	0	735
142	35	1	0	0	64	0	0	0	735
143	56	1	3	0	40	0	0	0	735
144	53	1	0	0	46	0	0	0	736
145	37	0	1	0	62	0	0	0	736
147	45	1	1	0	53	0	0	0	736
148	58	0	0	0	42	0	0	0	736
149	36	1	5	0	58	0	0	0	736
151	63	0	2	0	35	0	0	0	736
152	40	0	1	0	59	0	0	0	736
MEAN	46.9	1.6	1.8	0.0	49.6	0.0	0.0	0.0	
S.D.	9.84	1.58	1.34	0.0	9.37	0.0	0.0	0.0	
N	34	34	34	34	34	34	34	34	

APPENDIX 6-1-M3-2

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

INDIVIDUAL HEMATOLOGICAL DATA (HEMOGRAM-1)

LEVEL AND SEX : 100 PPM (MALE)

ANIMALS KILLED ON SCHEDULE (104 WEEKS)

EXPERIMENTAL NO. 82014

DIFFERENTIAL LEUCOCYTES COUNT (NUMBER OF CELLS PER HUNDRED)

ANIMAL	NEUTROPHILS SEGMENT.	EOSINO- PHILS	BASO- PHILS	LYMPHO- CYTES	PLASMO- CYTES	MONOCYTES	OTHERS	(DAY)
201	47	1	0	52	0	0	0	733
202	48	0	0	49	0	0	0	733
205	20	3	0	75	0	0	0	733
206	54	1	0	42	0	0	0	733
207	49	3	0	48	0	0	0	733
208	55	1	0	43	0	0	0	733
209	45	1	0	54	0	0	0	733
210	67	1	0	29	0	0	0	733
211	37	1	0	58	0	0	0	733
212	52	1	0	45	0	0	0	734
213	45	0	0	55	0	0	0	734
214	54	0	0	43	0	0	0	734
215	61	0	0	36	0	0	0	734
216	26	1	0	72	0	1	0	734
217	31	1	0	67	0	0	0	734
218	70	1	0	27	0	0	0	734
219	49	1	0	48	0	0	0	734
222	52	2	0	44	0	0	0	734
224	38	0	0	61	0	0	0	735
225	57	0	0	42	0	0	0	735

APPENDIX 6-1-M3-2 CONTINUED(1)

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

INDIVIDUAL HEMATOLOGICAL DATA (HEMOGRAM-1)

LEVEL AND SEX : 100 PPM (MALE)

ANIMALS KILLED ON SCHEDULE (104 WEEKS)

EXPERIMENTAL NO. 82014

DIFFERENTIAL LEUCOCYTES COUNT (NUMBER OF CELLS PER HUNDRED)

ANIMAL NUMBER	NEUTROPHILS SEGMENT.	STAB.	EOSINO- PHILS	BASO- PHILS	LYMPHO- CYTES	PLASMO- CYTES	MONOCYTES	OTHERS	(DAY)
226	38	1	1	0	60	0	0	0	735
227	A 46	3	A 1	0	A 50	A 0	A 0	A 0	735
228	39	2	2	0	57	0	0	0	735
229	52	1	2	0	45	0	0	0	735
230	52	3	0	0	45	0	0	0	735
231	38	5	5	0	52	0	0	0	735
232	46	3	0	0	51	0	0	0	735
233	55	1	0	0	44	0	0	0	735
234	51	3	0	0	46	0	0	0	735
235	50	1	2	0	47	0	0	0	735
236	50	3	1	0	46	0	0	0	736
237	1	0	0	0	99	0	0	0	736
238	61	1	3	0	35	0	0	0	736
239	41	2	5	0	52	0	0	0	736
240	39	0	3	0	58	0	0	0	736
241	31	1	2	0	66	0	0	0	736
243	44	0	3	0	53	0	0	0	736
246	50	0	2	0	48	0	0	0	736
249	59	1	3	0	37	0	0	0	736
250	40	1	1	0	58	0	0	0	736

A : EXCLUDED FROM STATISTICAL CALCULATIONS BECAUSE OF AGGREGATION.

APPENDIX 6-1-M3-2 CONTINUED(2)

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

INDIVIDUAL HEMATOLOGICAL DATA (HEMOGRAM-1)

LEVEL AND SEX : 100 PPM (MALE)

ANIMALS KILLED ON SCHEDULE (104 WEEKS)

EXPERIMENTAL NO. 82014

DIFFERENTIAL LEUCOCYTES COUNT (NUMBER OF CELLS PER HUNDRED)

ANIMAL	NEUTROPHILS SEGMENT.	STAB.	EOSINO- PHILS	BASO- PHILS	LYMPHO- CYTES	PLASMO- CYTES	MONOCYTES	OTHERS	(DAY)
251	41	1	7	0	51	0	0	0	736
252	48	1	0	0	51	0	0	0	736
MEAN	45.9	1.2	1.8	0.0	51.0	0.0	0.0	0.0	
S.D.	12.55	1.14	1.63	0.0	12.77	0.0	0.16	0.0	
N	41	41	41	41	41	41	41	41	

APPENDIX 6-1-M4-2

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

INDIVIDUAL HEMATOLOGICAL DATA (HEMOGRAM-1)

LEVEL AND SEX : 1000 PPM (MALE)

ANIMALS KILLED ON SCHEDULE (104 WEEKS)

EXPERIMENTAL NO. 82014

DIFFERENTIAL LEUCOCYTES COUNT (NUMBER OF CELLS PER HUNDRED)

ANIMAL NUMBER	NEUTROPHILS SEGMENT.	EOSINO- PHILS	BASO- PHILS	LYMPHO- CYTES	PLASMO- CYTES	MONOCYTES	OTHERS	(DAY)
301	52	0	1	0	47	0	0	733
302	53	1	0	0	46	0	0	733
303	41	0	1	0	58	0	0	733
304	39	1	1	0	59	0	0	733
305	58	0	0	0	42	0	0	733
306	53	4	1	0	42	0	0	733
308	51	2	4	0	43	0	0	733
310	39	1	0	0	60	0	0	733
313	36	8	1	0	55	0	0	733
314	51	4	4	0	41	0	0	734
315	44	0	2	0	54	0	0	734
316	50	7	3	0	40	0	0	734
317	52	2	2	0	44	0	0	734
320	35	1	3	0	61	0	0	734
326	41	1	0	0	58	0	0	734
327	60	1	2	0	37	0	0	734
328	59	2	0	0	39	0	0	734
330	34	4	3	0	59	0	0	734
331	43	4	0	0	53	0	0	735
333	54	0	2	0	44	0	0	735

APPENDIX 6-1-M4-2 CONTINUED

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

INDIVIDUAL HEMATOLOGICAL DATA (HEMOGRAM-1)

LEVEL AND SEX : 1000 PPM (MALE)

ANIMALS KILLED ON SCHEDULE (104 WEEKS)

EXPERIMENTAL NO. 82014

DIFFERENTIAL LEUCOCYTES COUNT (NUMBER OF CELLS PER HUNDRED)

ANIMAL NUMBER	NEUTROPHILS SEGMENT.	EOSINO- PHILS	BASO- PHILS	LYMPHO- CYTES	PLASMO- CYTES	MONOCYTES	OTHERS	(DAY)
335	59	4	0	36	0	0	0	735
336	39	5	0	54	0	0	0	735
337	48	0	0	50	0	0	0	735
338	58	1	0	36	0	0	0	735
340	57	3	0	37	0	0	0	735
341	58	2	0	39	0	0	0	735
342	51	2	0	45	0	0	0	736
343	63	2	0	33	0	0	0	736
344	48	0	0	52	0	0	0	736
345	50	5	0	45	0	0	0	736
347	5	0	0	95	0	0	0	736
348	36	1	0	63	0	0	0	736
351	42	1	0	55	0	0	0	736
MEAN	47.2	1.9	0.0	49.2	0.0	0.0	0.0	
S.D.	11.24	2.02	0.0	11.91	0.0	0.0	0.0	
N	33	33	33	33	33	33	33	

APPENDIX 6-1-F1-2

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY OF METHANOL IN F344 RATS

INDIVIDUAL HEMATOLOGICAL DATA (HEMOGRAM-1)

LEVEL AND SEX : 0 PPM (FEMALE)

ANIMALS KILLED ON SCHEDULE (104 WEEKS)

EXPERIMENTAL NO. 82014

DIFFERENTIAL LEUCOCYTES COUNT (NUMBER OF CELLS PER HUNDRED)

ANIMAL NUMBER	NEUTROPHILS SEGMENT.	STAB.	EOSINO- PHILS	BASO- PHILS	LYMPHO- CYTES	PLASMO- CYTES	MONOCYTES	OTHERS	(DAY)
1001	56	1	2	0	41	0	0	0	740
1002	59	2	1	0	38	0	0	0	740
1003	A 36	3	A	0	60	A	A	A	740
1008	52	1	2	0	45	0	0	0	740
1009	34	1	4	0	61	0	0	0	740
1010	27	2	0	0	71	0	0	0	740
1013	31	0	1	0	68	0	0	0	740
1016	50	0	0	0	50	0	0	0	740
1018	41	3	0	0	56	0	0	0	740
1019	25	3	0	0	72	0	0	0	741
1020	41	3	1	0	55	0	0	0	741
1021	A 35	4	A	0	61	A	A	A	741
1022	40	2	3	0	55	0	0	0	741
1023	13	0	0	0	87	0	0	0	741
1024	44	1	2	0	53	0	0	0	741
1025	49	1	0	0	50	0	0	0	741
1026	43	1	0	0	56	0	0	0	741
1029	50	1	1	0	48	0	0	0	741
1030	44	2	1	0	53	0	0	0	742
1031	71	2	0	0	27	0	0	0	742

A : EXCLUDED FROM STATISTICAL CALCULATIONS BECAUSE OF AGGREGATION

APPENDIX 6-1-F1-2 CONTINUED

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

INDIVIDUAL HEMATOLOGICAL DATA (HEMOGRAM-1)

LEVEL AND SEX : 0 PPM (FEMALE)

ANIMALS KILLED ON SCHEDULE (104 WEEKS)

EXPERIMENTAL NO. 82014

DIFFERENTIAL LEUCOCYTES COUNT (NUMBER OF CELLS PER HUNDRED)

ANIMAL NUMBER	NEUTROPHILS SEGMENT.	STAB.	EOSINO- PHILS	BASO- PHILS	LYMPHO- CYTES	PLASMO- CYTES	MONOCYTES	OTHERS	(DAY)
1032	31	0	1	0	68	0	0	0	742
1034	47	4	2	0	47	0	0	0	742
1035	20	0	0	0	80	0	0	0	742
1038	19	0	1	0	80	0	0	0	742
1039	32	1	2	0	65	0	0	0	742
1040	33	1	1	0	65	0	0	0	743
1042	69	2	1	0	28	0	0	0	743
1046	34	0	0	0	66	0	0	0	743
1047	53	2	2	0	43	0	0	0	743
1048	A 40	3	A 7	A 0	A 50	A 0	A 0	A 0	743
1052	45	1	0	0	54	0	0	0	743
MEAN	41.2	1.3	1.0	0.0	56.5	0.0	0.0	0.0	
S.D.	14.14	1.09	1.05	0.0	14.74	0.0	0.0	0.0	
N	28	28	28	28	28	28	28	28	

A ; EXCLUDED FROM STATISTICAL CALCULATIONS BECAUSE OF AGGREGATION

APPENDIX 6-1-F2-2

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

INDIVIDUAL HEMATOLOGICAL DATA (HEMOGRAM-1)

LEVEL AND SEX : 10 PPM (FEMALE)

ANIMALS KILLED ON SCHEDULE (104 WEEKS)

EXPERIMENTAL NO. 82014

DIFFERENTIAL LEUCOCYTES COUNT (NUMBER OF CELLS PER HUNDRED)

ANIMAL NUMBER	NEUTROPHILS SEGMENT.	STAB.	EOSINO- PHILS	BASO- PHILS	LYMPHO- CYTES	PLASMO- CYTES	MONOCYTES	OTHERS	(DAY)
1101	23	2	0	0	75	0	0	0	740
1102	A 24	A 2	5	A 0	69	A 0	0	A 0	740
1103	28	1	2	0	69	0	0	0	740
1104	55	2	1	0	42	0	0	0	740
1106	A 43	A 7	2	A 0	48	A 0	0	A 0	740
1107	52	3	1	0	44	0	0	0	740
1108	52	4	2	0	42	0	0	0	740
1109	47	1	1	0	51	0	0	0	740
1111	38	7	1	0	54	0	0	0	740
1113	30	3	1	0	66	0	0	0	741
1114	53	0	1	0	46	0	0	0	741
1115	24	1	1	0	74	0	0	0	741
1116	46	3	2	0	49	0	0	0	741
1117	33	4	0	0	63	0	0	0	741
1118	44	1	0	0	55	0	0	0	741
1123	41	2	3	0	54	0	0	0	741
1125	53	0	2	0	45	0	0	0	741
1126	78	1	1	0	20	0	0	0	741
1128	53	0	0	0	47	0	0	0	742
1131	24	0	3	0	73	0	0	0	742

A ; EXCLUDED FROM STATISTICAL CALCULATIONS BECAUSE OF AGGREGATION

APPENDIX 6-1-F2-2 CONTINUED

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

INDIVIDUAL HEMATOLOGICAL DATA (HEMOGRAM-1)

LEVEL AND SEX : 10 PPM (FEMALE)

ANIMALS KILLED ON SCHEDULE (104 WEEKS)

EXPERIMENTAL NO. 82014

DIFFERENTIAL LEUCOCYTES COUNT (NUMBER OF CELLS PER HUNDRED)										
ANIMAL	NEUTROPHILS	EOSINO-	BASO-	LYMPHO-	PLASMO-	MONOCYTES	OTHERS			
NUMBER	SEGMENT.	PHILS	PHILS	CYTES	CYTES					(DAY)
1132	46	0	0	54	0	0	0			742
1133	16	0	0	84	0	0	0			742
1136	68	2	0	30	0	0	0			742
1138	44	1	0	55	0	0	0			742
1142	48	4	0	46	0	0	0			742
1143	45	1	0	54	0	0	0			743
1144	59	1	A	38	A	A	0		A	743
1145	58	2	0	40	0	0	0		0	743
1146	56	2	0	38	0	0	0		0	743
1148	45	1	0	52	0	0	0		0	743
1149	59	2	0	38	0	0	0		0	743
1151	51	0	0	49	0	0	0		0	743
MEAN	45.2	1.5	1.3	52.0	0.0	0.0	0.0		0.0	
S.D.	13.98	1.72	1.03	14.13	0.0	0.0	0.0		0.0	
N	29	29	29	29	29	29	29		29	

A : EXCLUDED FROM STATISTICAL CALCULATIONS BECAUSE OF AGGREGATION

APPENDIX 6-1-F3-2

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

INDIVIDUAL HEMATOLOGICAL DATA (HEMOGRAM-1)

LEVEL AND SEX : 100 PPM (FEMALE)

ANIMALS KILLED ON SCHEDULE (104 WEEKS)

EXPERIMENTAL NO. 82014

DIFFERENTIAL LEUCOCYTES COUNT (NUMBER OF CELLS PER HUNDRED)

ANIMAL NUMBER	NEUTROPHILS SEGMENT.	STAB.	EOSINO- PHILS	BASO- PHILS	LYMPHO- CYTES	PLASMO- CYTES	MONOCYTES	OTHERS	(DAY)
1201	31	1	1	0	67	0	0	0	740
1203	68	1	2	0	29	0	0	0	740
1205	49	1	1	0	49	0	0	0	740
1206	44	1	5	0	49	0	1	0	740
1208	51	1	1	0	47	0	0	0	740
1210	31	1	0	0	68	0	0	0	740
1211	43	1	1	0	55	0	0	0	740
1213	48	1	2	0	49	0	0	0	740
1214	60	0	2	0	38	0	0	0	740
1216	37	2	0	0	61	0	0	0	741
1217	28	3	2	0	67	0	0	0	741
1219	38	3	0	0	59	0	0	0	741
1220	46	0	5	0	49	0	0	0	741
1222	27	0	1	0	71	0	1	0	741
1228	39	0	4	0	57	0	0	0	741
1229	49	0	1	0	50	0	0	0	741
1231	36	3	1	0	60	0	0	0	741
1232	53	0	1	0	46	0	0	0	741
1234	47	1	1	0	51	0	0	0	742
1237	46	0	1	0	53	0	0	0	742

APPENDIX 6-1-F3-2 CONTINUED

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

INDIVIDUAL HEMATOLOGICAL DATA (HEMOGRAM-1)

LEVEL AND SEX : 100 PPM (FEMALE)

ANIMALS KILLED ON SCHEDULE (104 WEEKS)

EXPERIMENTAL NO. 82014

DIFFERENTIAL LEUCOCYTES COUNT (NUMBER OF CELLS PER HUNDRED)

ANIMAL NUMBER	NEUTROPHILS SEGMENT.	EOSINO- PHILS	BASO- PHILS	LYMPHO- CYTES	PLASMO- CYTES	MONOCYTES	OTHERS	(DAY)
1238	43	1	4	0	0	0	0	742
1239	A	0	A	55	A	0	A	742
1240	51	1	5	43	0	0	0	742
1242	47	5	0	48	0	0	0	742
1245	48	1	4	47	0	0	0	742
1246	55	1	0	44	0	0	0	743
1247	A	1	A	68	A	0	A	743
1248	39	1	0	59	0	0	0	743
1251	34	2	3	61	0	0	0	743
1252	43	2	2	53	0	0	0	743
MEAN	44.0	1.2	1.8	52.9	0.0	0.1	0.0	
S.D.	9.48	1.17	1.61	9.46	0.0	0.26	0.0	
N	28	28	28	28	28	28	28	

A : EXCLUDED FROM STATISTICAL CALCULATIONS BECAUSE OF AGGREGATION

APPENDIX 6-1-F4-2

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

INDIVIDUAL HEMATOLOGICAL DATA (HEMOGRAM-1)

LEVEL AND SEX : 1000 PPM (FEMALE)

ANIMALS KILLED ON SCHEDULE (104 WEEKS)

EXPERIMENTAL NO. 82014

DIFFERENTIAL LEUCOCYTES COUNT (NUMBER OF CELLS PER HUNDRED)

ANIMAL	NEUTROPHILS SEGMENT.	STAB.	EOSINO- PHILS	A	1	A	BASO- PHILS	A	0	LYMPHO- CYTES	A	PLASMO- CYTES	A	0	MONOCYTES	A	OTHERS	(DAY)
1301	A	32	A	1	A	1	A	0	0	A	66	0	0	0	0	A	0	740
1303		39		2		2		0	0		54	0	0	0	0		0	740
1304		57		3		3		0	0		40	0	0	0	0		0	740
1306		49		3		0		0	0		48	0	0	0	0		0	740
1307		35		2		4		0	0		59	0	0	0	0		0	740
1310		39		3		2		0	0		56	0	0	0	0		0	740
1313		40		1		2		0	0		57	0	0	0	0		0	740
1314		37		1		0		0	0		61	0	0	1	0		0	740
1316		38		1		2		0	0		59	0	0	0	0		0	740
1317		66		1		0		0	0		33	0	0	0	0		0	741
1320		52		3		0		0	0		45	0	0	0	0		0	741
1321		38		2		3		0	0		57	0	0	0	0		0	741
1322		33		3		1		0	0		63	0	0	0	0		0	741
1323		49		2		2		0	0		47	0	0	0	0		0	741
1324		18		0		1		0	0		81	0	0	0	0		0	741
1326		49		4		2		0	0		45	0	0	0	0		0	741
1327		73		3		1		0	0		23	0	0	0	0		0	741
1330		37		2		2		0	0		59	0	0	0	0		0	741
1331		50		3		2		0	0		45	0	0	0	0		0	741
1332		43		2		0		0	0		55	0	0	0	0		0	741

A : EXCLUDED FROM STATISTICAL CALCULATIONS BECAUSE OF AGGREGATION

APPENDIX 6-1-F4-2 CONTINUED

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

INDIVIDUAL HEMATOLOGICAL DATA (HEMOGRAM-1)

LEVEL AND SEX : 1000 PPM (FEMALE)

ANIMALS KILLED ON SCHEDULE (104 WEEKS)

EXPERIMENTAL NO. 82014

ANIMAL	DIFFERENTIAL LEUCOCYTES COUNT (NUMBER OF CELLS PER HUNDRED)										
	NEUTROPHILS		EOSINO-	BASO-	LYMPHO-	PLASMO-	MONOCYTES	OTHERS			
NUMBER	SEGMENT.	STAB.	PHILS	PHILS	CYTES	CYTES				(DAY)	
1334	41	0	1	0	58	0	0	0		742	
1336	44	2	2	0	52	0	0	0		742	
1338	A 20	0	A 1	A 0	A 79	A 0	A 0	A 0		742	
1339	51	0	1	0	48	0	0	0		742	
1340	42	2	1	0	55	0	0	0		742	
1341	A 34	0	A 0	A 0	A 66	A 0	A 0	A 0		742	
1343	63	2	3	0	32	0	0	0		742	
1345	57	2	2	0	39	0	0	0		743	
1346	A 37	1	A 0	A 0	A 62	A 0	A 0	A 0		743	
1347	22	0	0	0	78	0	0	0		743	
1348	52	2	5	0	41	0	0	0		743	
1349	48	2	3	0	47	0	0	0		743	
1350	34	0	0	0	66	0	0	0		743	
1351	39	1	1	0	59	0	0	0		743	
1352	42	0	3	0	55	0	0	0		743	
MEAN	44.4	1.7	1.6	0.0	52.2	0.0	0.0	0.0			
S.D.	11.64	1.29	1.28	0.0	12.26	0.0	0.18	0.0			
N	31	31	31	31	31	31	31	31			

APPENDIX 6-2-M1-2

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

INDIVIDUAL HEMATOLOGICAL DATA (HEMOGRAM-1)

LEVEL AND SEX : 0 PPM (MALE)

ANIMALS KILLED IN EXTREMIS

EXPERIMENTAL NO. 82014

ANIMAL NUMBER	DIFFERENTIAL LEUCOCYTES COUNT (NUMBER OF CELLS PER HUNDRED)										(DAY)
	NEUTROPHILS SEGMENT.	STAB.	EOSINO- PHILS	BASO- PHILS	LYMPHO- CYTES	PLASMO- CYTES	MONOCYTES	OTHERS			
7	68	3	0	0	29	0	0	0	0	721	
8	9	1	0	0	90	0	0	0	0	687	
10	81	0	0	0	19	0	0	0	0	608	
13	81	0	0	0	19	0	0	0	0	714	
16	3	1	1	0	95	0	0	0	0	435	
21	66	1	0	0	33	0	0	0	0	726	
22	66	2	0	0	32	0	0	0	0	670	
24	58	1	1	0	40	0	0	0	0	673	
27	69	0	4	0	27	0	0	0	0	623	
29	64	0	0	0	36	0	0	0	0	356	
34	23	0	0	0	77	0	0	0	0	686	
43	74	0	1	0	25	0	0	0	0	701	
49	57	0	0	0	43	0	0	0	0	729	
50	57	0	1	0	42	0	0	0	0	706	

APPENDIX 6-2-M2-2

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

INDIVIDUAL HEMATOLOGICAL DATA (HEMOGRAM-1)

LEVEL AND SEX : 10 PPM (MALE)

ANIMALS KILLED IN EXTREMIS

EXPERIMENTAL NO. 82014

ANIMAL NUMBER	DIFFERENTIAL LEUCOCYTES COUNT (NUMBER OF CELLS PER HUNDRED)										(DAY)
	NEUTROPHILS SEGMENT.	STAB.	EOSINO- PHILS	BASO- PHILS	LYMPHO- CYTES	PLASMO- CYTES	MONOCYTES	OTHERS			
101	54	1	2	0	43	0	0	0	0	712	
105	58	0	0	0	42	0	0	0	0	665	
109	61	0	5	0	34	0	0	0	0	579	
110	70	1	0	0	29	0	0	0	0	721	
112	44	4	0	0	52	0	0	0	0	537	
115	37	1	3	0	59	0	0	0	0	711	
118	63	2	0	0	35	0	0	0	0	519	
119	74	1	0	0	25	0	0	0	0	697	
123	70	1	0	0	29	0	0	0	0	715	
125	62	1	2	0	35	0	0	0	0	644	
126	43	0	1	0	56	0	0	0	0	636	
133	19	0	0	0	81	0	0	0	0	613	
135	94	0	0	0	6	0	0	0	0	666	
139	13	0	0	0	87	0	0	0	0	396	
150	53	4	0	0	43	0	0	0	0	690	

APPENDIX 6-2-M3-2

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

INDIVIDUAL HEMATOLOGICAL DATA (HEMOGRAM-1)

LEVEL AND SEX : 100 PPM (MALE)

ANIMALS KILLED IN EXTREMIS

EXPERIMENTAL NO. 82014

ANIMAL NUMBER	DIFFERENTIAL LEUCOCYTES COUNT (NUMBER OF CELLS PER HUNDRED)							(DAY)
	NEUTROPHILS SEGMENT.	STAB.	EOSINO- PHILS	BASO- PHILS	LYMPHO- CYTES	PLASMO- CYTES	MONOCYTES	OTHERS
204	61	1	0	0	38	0	0	0
223	36	4	0	0	60	0	0	0
244	7	0	0	0	93	0	0	0
245	52	3	2	0	43	0	0	0
247	69	0	1	0	30	0	0	0

APPENDIX 6-2-M4-2

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

INDIVIDUAL HEMATOLOGICAL DATA (HEMOGRAM-1)

LEVEL AND SEX : 1000 PPM (MALE)

ANIMALS KILLED IN EXTREMIS

EXPERIMENTAL NO. 82014

ANIMAL NUMBER	DIFFERENTIAL LEUCOCYTES COUNT (NUMBER OF CELLS PER HUNDRED)										(DAY)
	NEUTROPHILS SEGMENT.	STAB.	EOSINO- PHILS	BASO- PHILS	LYMPHO- CYTES	PLASMO- CYTES	MONOCYTES	OTHERS			
307	4	0	0	0	96	0	0	0	0	690	
309	64	0	1	0	35	0	0	0	0	574	
311	14	0	2	0	84	0	0	0	0	720	
312	51	0	1	0	48	0	0	0	0	559	
318	36	3	0	0	61	0	0	0	0	610	
321	60	0	0	0	40	0	0	0	0	711	
322	1	0	0	0	99	0	0	0	0	588	
323	76	0	1	0	23	0	0	0	0	687	
325	7	0	0	0	93	0	0	0	0	694	
329	49	3	6	0	42	0	0	0	0	713	
332	11	0	0	0	89	0	0	0	0	659	
339	43	3	3	0	51	0	0	0	0	712	
349	20	0	0	0	80	0	0	0	0	729	

APPENDIX 6-2-F1-2

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

INDIVIDUAL HEMATOLOGICAL DATA (HEMOGRAM-1)

LEVEL AND SEX : 0 PPM (FEMALE)

ANIMALS KILLED IN EXTREMIS

EXPERIMENTAL NO. 82014

ANIMAL NUMBER	DIFFERENTIAL LEUCOCYTES COUNT (NUMBER OF CELLS PER HUNDRED)										(DAY)
	NEUTROPHILS SEGMENT.	STAB.	EOSINO- PHILS	BASO- PHILS	LYMPHO- CYTES	PLASMO- CYTES	MONOCYTES	OTHERS			
1004	63	3	2	0	32	0	0	0	0	616	
1005	55	0	0	0	45	0	0	0	0	691	
1006	51	0	1	0	48	0	0	0	0	616	
1007	70	0	0	0	30	0	0	0	0	596	
1014	75	0	0	0	25	0	0	0	0	651	
1015	49	1	1	0	49	0	0	0	0	547	
1027	49	0	0	0	51	0	0	0	0	645	
1028	23	1	0	0	76	0	0	0	0	687	
1033	8	0	0	0	92	0	0	0	0	715	
1036	65	0	0	0	35	0	0	0	0	694	
1037	0	0	0	0	100	0	0	0	0	721	
1043	15	0	0	0	85	0	0	0	0	708	
1045	45	2	0	0	53	0	0	0	0	572	
1049	64	1	0	0	35	0	0	0	0	686	
1050	15	2	0	0	81	0	0	2	0	499	
1051	13	1	0	0	86	0	0	0	0	733	

APPENDIX 6-2-F2-2

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

INDIVIDUAL HEMATOLOGICAL DATA (HEMOGRAM-1)

LEVEL AND SEX : 10 PPM (FEMALE)

ANIMALS KILLED IN EXTREMIS

EXPERIMENTAL NO. 82014

ANIMAL NUMBER	DIFFERENTIAL LEUCOCYTES COUNT (NUMBER OF CELLS PER HUNDRED)										(DAY)
	NEUTROPHILS SEGMENT.	STAB.	EOSINO- PHILS	BASO- PHILS	LYMPHO- CYTES	PLASMO- CYTES	MONOCYTES	OTHERS			
1105	64	1	1	0	34	0	0	0	0	722	
1112	54	2	3	0	41	0	0	0	0	550	
1119	14	1	0	0	85	0	0	0	0	561	
1120	4	3	0	0	93	0	0	0	0	659	
1121	68	1	2	0	29	0	0	0	0	687	
1122	66	1	1	0	31	0	1	0	0	676	
1124	48	1	0	0	51	0	0	0	0	735	
1127	50	0	1	0	49	0	0	0	0	638	
1129	19	2	2	0	77	0	0	0	0	659	
1134	17	0	0	0	83	0	0	0	0	680	
1137	3	0	0	0	97	0	0	0	0	713	
1139	9	1	0	0	90	0	0	0	0	680	
1140	17	0	1	0	82	0	0	0	0	721	
1141	3	1	1	0	95	0	0	0	0	666	
1147	17	0	0	0	83	0	0	0	0	629	
1150	56	3	0	0	41	0	0	0	0	631	
1152	51	0	0	0	49	0	0	0	0	729	

APPENDIX 6-2-F3-2

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

INDIVIDUAL HEMATOLOGICAL DATA (HEMOGRAM-1)

LEVEL AND SEX : 100 PPM (FEMALE)

ANIMALS KILLED IN EXTREMIS

EXPERIMENTAL NO. 82014

DIFFERENTIAL LEUCOCYTES COUNT (NUMBER OF CELLS PER HUNDRED)

ANIMAL	NEUTROPHILS	EOSINO-	BASO-	LYMPHO-	PLASMO-	MONOCYTES	OTHERS	(DAY)
NUMBER	SEGMENT.	PHILS	PHILS	CYTES	CYTES			
1202	27	0	0	71	0	2	0	657
1207	14	0	0	84	0	0	0	666
1209	84	1	0	15	0	0	0	658
1212	73	0	0	27	0	0	0	617
1215	52	1	0	47	0	0	0	427
1218	48	2	0	49	0	0	0	728
1221	49	0	0	51	0	0	0	560
1223	8	0	0	92	0	0	0	720
1225	17	1	0	81	0	0	0	718
1226	74	0	0	26	0	0	0	732
1227	27	1	0	72	0	0	0	575
1230	80	0	0	20	0	0	0	607
1235	75	0	0	24	0	0	0	665
1236	78	0	0	22	0	0	0	727
1244	78	0	0	22	0	0	0	609

APPENDIX 6-2-F4-2

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

INDIVIDUAL HEMATOLOGICAL DATA (HEMOGRAM-1)

LEVEL AND SEX : 1000 PPM (FEMALE)

ANIMALS KILLED IN EXTREMIS

EXPERIMENTAL NO. 82014

ANIMAL NUMBER	DIFFERENTIAL LEUCOCYTES COUNT (NUMBER OF CELLS PER HUNDRED)										(DAY)
	NEUTROPHILS SEGMENT.	STAB.	EOSINO- PHILS	BASO- PHILS	LYMPHO- CYTES	PLASMO- CYTES	MONOCYTES	OTHERS			
1305	48	0	0	0	52	0	0	0	0	690	
1308	64	0	0	0	36	0	0	0	0	722	
1309	7	0	0	0	93	0	0	0	0	732	
1311	57	6	0	0	37	0	0	0	0	671	
1312	57	3	0	0	40	0	0	0	0	652	
1319	12	2	0	0	86	0	0	0	0	735	
1325	68	0	0	0	32	0	0	0	0	683	
1328	55	1	3	0	41	0	0	0	0	736	
1333	78	0	0	0	22	0	0	0	0	736	
1335	52	1	1	0	46	0	0	0	0	728	
1337	51	0	0	0	49	0	0	0	0	694	
1344	8	2	0	0	90	0	0	0	0	718	

APPENDIX 6-1-M1-3

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

INDIVIDUAL HEMATOLOGICAL DATA (HEMOGRAM-2)

LEVEL AND SEX : 0 PPM (MALE)

ANIMALS KILLED ON SCHEDULE (104 WEEKS)

EXPERIMENTAL NO. 82014

ANIMAL NUMBER	WBC COUNTS (X100/CMM)	LEUCOCYTES COUNT (X100/CMM)					CYTES	CYTES	CYTES	CYTES	CYTES	(DAY)
		NEUTROPHILS SEGMENT.	EOSINO- PHILS	BASO- PHILS	LYMPHO- CYTES	PLASMO- CYTES						
1	25	12.25	1.25	0.50	0.0	11.00	0.0	0.0	0.0	0.0	0.0	733
2	66	23.76	3.96	0.0	0.0	38.28	0.0	0.0	0.0	0.0	0.0	733
3	22	10.56	0.22	0.44	0.0	10.78	0.0	0.0	0.0	0.0	0.0	733
4	21	6.93	0.21	0.63	0.0	13.23	0.0	0.0	0.0	0.0	0.0	733
5	27	8.91	1.89	0.81	0.0	15.39	0.0	0.0	0.0	0.0	0.0	733
6	23	8.97	0.69	0.23	0.0	13.11	0.0	0.0	0.0	0.0	0.0	733
9	21	7.35	1.05	0.63	0.0	11.97	0.0	0.0	0.0	0.0	0.0	733
11	22	10.34	0.88	0.0	0.0	10.78	0.0	0.0	0.0	0.0	0.0	733
12	33	14.52	0.0	0.33	0.0	18.15	0.0	0.0	0.0	0.0	0.0	733
14	10	3.70	0.60	0.10	0.0	5.60	0.0	0.0	0.0	0.0	0.0	734
15	47	31.49	0.94	2.35	0.0	12.22	0.0	0.0	0.0	0.0	0.0	734
17	90	72.00	0.90	0.90	0.0	16.20	0.0	0.0	0.0	0.0	0.0	734
18	80	56.00	0.80	0.80	0.0	22.40	0.0	0.0	0.0	0.0	0.0	734
19	33	13.20	0.66	0.99	0.0	18.15	0.0	0.0	0.0	0.0	0.0	734
20	28	17.08	0.56	0.56	0.0	9.80	0.0	0.0	0.0	0.0	0.0	734
23	23	11.73	0.92	0.92	0.0	9.43	0.0	0.0	0.0	0.0	0.0	734
25	24	8.40	0.48	0.96	0.0	14.16	0.0	0.0	0.0	0.0	0.0	734
26	27	15.12	0.27	0.27	0.0	11.34	0.0	0.0	0.0	0.0	0.0	734
28	33	11.55	0.33	0.33	0.0	20.79	0.0	0.0	0.0	0.0	0.0	735
30	41	18.86	0.0	1.23	0.0	20.91	0.0	0.0	0.0	0.0	0.0	735

APPENDIX 6-1-M1-3 CONTINUED

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

INDIVIDUAL HEMATOLOGICAL DATA (HEMOGRAM-2)

LEVEL AND SEX : O PPM (MALE)

ANIMALS KILLED ON SCHEDULE (104 WEEKS)

EXPERIMENTAL NO. 82014

LEUCOCYTES COUNT (X100/CMM)

ANIMAL NUMBER	WBC COUNTS (X100/CMM)	NEUTROPHILS SEGMENT.	STAB.	EOSINO- PHILS	BASO- PHILS	LYMPHO- CYTES	PLASMO- CYTES	MONOCYTES	OTHERS	(DAY)
31	29	17.69	0.0	0.29	0.0	11.02	0.0	0.0	0.0	735
32	37	20.72	0.0	1.11	0.0	15.17	0.0	0.0	0.0	735
33	A 11	3.30	A	0.11	A	7.48	A	A	0.0	735
35	21	12.18	0.42	0.21	0.0	8.19	0.0	0.0	0.0	735
36	24	9.12	0.48	0.48	0.0	13.92	0.0	0.0	0.0	735
37	57	17.67	1.71	1.14	0.0	36.48	0.0	0.0	0.0	735
38	29	15.08	0.0	0.58	0.0	13.34	0.0	0.0	0.0	735
39	45	18.00	0.45	0.0	0.0	26.55	0.0	0.0	0.0	736
40	43	20.64	0.43	0.86	0.0	21.07	0.0	0.0	0.0	736
41	39	11.70	0.39	1.56	0.0	25.35	0.0	0.0	0.0	736
42	61	21.35	0.0	0.61	0.0	39.04	0.0	0.0	0.0	736
45	47	21.15	0.0	0.94	0.0	24.91	0.0	0.0	0.0	736
46	43	20.64	0.0	0.0	0.0	22.36	0.0	0.0	0.0	736
47	39	17.16	0.39	0.39	0.0	21.06	0.0	0.0	0.0	736
48	A 52	18.20	A	1.04	A	31.20	A	A	0.0	736
51	50	32.00	1.00	1.00	0.0	16.00	0.0	0.0	0.0	736
MEAN	37.1	18.17	0.64	0.65	0.0	17.59	0.0	0.0	0.0	
S.D.	17.65	13.42	0.76	0.50	0.0	8.29	0.0	0.0	0.0	
N	34	34	34	34	34	34	34	34	34	

A ; EXCLUDED FROM STATISTICAL CALCULATIONS BECAUSE OF AGGREGATION

APPENDIX 6-1-M2-3

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

INDIVIDUAL HEMATOLOGICAL DATA (HEMOGRAM-2)

LEVEL AND SEX : 10 PPM (MALE)

ANIMALS KILLED ON SCHEDULE (104 WEEKS)

EXPERIMENTAL NO. 82014

ANIMAL NUMBER	WBC COUNTS (X100/CMM)	LEUCOCYTES COUNT (X100/CMM)										(DAY)
		NEUTROPHILS SEGMENT.	STAB.	EOSINO- PHILS	BASO- PHILS	LYMPHO- CYTES	PLASMO- CYTES	MONOCYTES	OTHERS			
102	39	24.18	0.39	0.78	0.0	13.65	0.0	0.0	0.0	733		
103	25	10.75	0.0	1.00	0.0	13.25	0.0	0.0	0.0	733		
104	32	16.96	0.64	0.96	0.0	13.44	0.0	0.0	0.0	733		
106	23	11.96	0.23	0.0	0.0	10.81	0.0	0.0	0.0	733		
107	19	10.26	0.19	0.57	0.0	7.98	0.0	0.0	0.0	733		
108	25	11.25	0.0	0.25	0.0	13.50	0.0	0.0	0.0	733		
111	33	14.85	0.0	0.66	0.0	17.49	0.0	0.0	0.0	733		
113	29	17.98	0.29	0.29	0.0	10.44	0.0	0.0	0.0	733		
114	25	10.00	0.25	0.75	0.0	14.00	0.0	0.0	0.0	733		
116	27	10.80	1.89	0.27	0.0	14.04	0.0	0.0	0.0	734		
117	19	7.41	0.76	0.57	0.0	10.26	0.0	0.0	0.0	734		
120	21	9.03	0.21	0.42	0.0	11.34	0.0	0.0	0.0	734		
121	29	17.11	0.29	0.0	0.0	11.60	0.0	0.0	0.0	734		
122	34	16.32	1.70	0.68	0.0	15.30	0.0	0.0	0.0	734		
124	28	9.52	0.84	0.56	0.0	17.08	0.0	0.0	0.0	734		
127	28	11.20	0.56	0.56	0.0	15.68	0.0	0.0	0.0	734		
128	35	18.55	0.0	1.40	0.0	15.05	0.0	0.0	0.0	734		
129	27	11.61	0.81	0.81	0.0	13.77	0.0	0.0	0.0	734		
130	31	14.88	0.93	0.62	0.0	14.57	0.0	0.0	0.0	735		
131	47	31.02	1.41	0.0	0.0	14.57	0.0	0.0	0.0	735		

APPENDIX 6-1-M2-3 CONTINUED

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

INDIVIDUAL HEMATOLOGICAL DATA (HEMOGRAM-2)

LEVEL AND SEX : 10 PPM (MALE)

ANIMALS KILLED ON SCHEDULE (104 WEEKS)

EXPERIMENTAL NO. 82014

ANIMAL NUMBER	WBC COUNTS (X100/CMM)	LEUCOCYTES COUNT (X100/CMM)								(DAY)
		NEUTROPHILS SEGMENT.	STAB.	EOSINO- PHILS	BASO- PHILS	LYMPHO- CYTES	PLASMO- CYTES	MONOCYTES	OTHERS	
134	39	21.84	0.78	0.39	0.0	15.99	0.0	0.0	0.0	735
137	45	14.85	1.35	0.45	0.0	28.35	0.0	0.0	0.0	735
138	38	19.38	0.76	0.38	0.0	17.48	0.0	0.0	0.0	735
140	27	8.64	0.27	0.54	0.0	17.55	0.0	0.0	0.0	735
141	25	8.00	0.50	1.00	0.0	15.50	0.0	0.0	0.0	735
142	18	6.30	0.18	0.0	0.0	11.52	0.0	0.0	0.0	735
143	25	14.00	0.25	0.75	0.0	10.00	0.0	0.0	0.0	736
144	24	12.72	0.24	0.0	0.0	11.04	0.0	0.0	0.0	736
145	22	8.14	0.0	0.22	0.0	13.64	0.0	0.0	0.0	736
147	22	9.90	0.22	0.22	0.0	11.66	0.0	0.0	0.0	736
148	39	22.62	0.0	0.0	0.0	16.38	0.0	0.0	0.0	736
149	35	12.60	0.35	1.75	0.0	20.30	0.0	0.0	0.0	736
151	45	28.35	0.0	0.90	0.0	15.75	0.0	0.0	0.0	736
152	44	17.60	0.0	0.44	0.0	25.96	0.0	0.0	0.0	736
MEAN	30.1	14.43	0.48	0.53	0.0	14.67	0.0	0.0	0.0	
S.D.	8.10	5.97	0.50	0.41	0.0	4.14	0.0	0.0	0.0	
N	34	34	34	34	34	34	34	34	34	

APPENDIX 6-1-M3-3

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

INDIVIDUAL HEMATOLOGICAL DATA (HEMOGRAM-2)

LEVEL AND SEX : 100 PPM (MALE)

ANIMALS KILLED ON SCHEDULE (104 WEEKS)

EXPERIMENTAL NO. 82014

LEUCOCYTES COUNT (X100/CMM)

ANIMAL NUMBER	WBC COUNTS (X100/CMM)	NEUTROPHILS SEGMENT.	STAB.	EOSINO- PHILS	BASO- PHILS	LYMPHO- CYTES	PLASMO- CYTES	MONOCYTES	OTHERS	(DAY)
201	25	11.75	0.25	0.0	0.0	13.00	0.0	0.0	0.0	733
202	35	16.80	0.0	1.05	0.0	17.15	0.0	0.0	0.0	733
205	164	32.80	4.92	3.28	0.0	123.00	0.0	0.0	0.0	733
206	16	8.64	0.16	0.48	0.0	6.72	0.0	0.0	0.0	733
207	27	13.23	0.81	0.0	0.0	12.96	0.0	0.0	0.0	733
208	34	18.70	0.34	0.34	0.0	14.62	0.0	0.0	0.0	733
209	21	9.45	0.21	0.0	0.0	11.34	0.0	0.0	0.0	733
210	33	22.11	0.33	0.99	0.0	9.57	0.0	0.0	0.0	733
211	17	6.29	0.17	0.68	0.0	9.86	0.0	0.0	0.0	733
212	29	15.08	0.29	0.58	0.0	13.05	0.0	0.0	0.0	734
213	27	12.15	0.0	0.0	0.0	14.85	0.0	0.0	0.0	734
214	22	11.88	0.0	0.66	0.0	9.46	0.0	0.0	0.0	734
215	27	16.47	0.0	0.81	0.0	9.72	0.0	0.0	0.0	734
216	24	6.24	0.24	0.0	0.0	17.28	0.0	0.24	0.0	734
217	28	8.68	0.28	0.28	0.0	18.76	0.0	0.0	0.0	734
218	20	14.00	0.20	0.40	0.0	5.40	0.0	0.0	0.0	734
219	24	11.76	0.48	0.24	0.0	11.52	0.0	0.0	0.0	734
222	31	16.12	0.62	0.62	0.0	13.64	0.0	0.0	0.0	734
224	22	8.36	0.0	0.22	0.0	13.42	0.0	0.0	0.0	735
225	28	15.96	0.0	0.28	0.0	11.76	0.0	0.0	0.0	735

APPENDIX 6-1-M3-3 CONTINUED(1)

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

INDIVIDUAL HEMATOLOGICAL DATA (HEMOGRAM-2)

LEVEL AND SEX : 100 PPM (MALE)

ANIMALS KILLED ON SCHEDULE (104 WEEKS)

EXPERIMENTAL NO. 82014

LEUCOCYTES COUNT (X100/CMM)

ANIMAL NUMBER	WBC COUNTS (X100/CMM)	NEUTROPHILS SEGMENT.	STAB.	EOSINO- PHILS	BASO- PHILS	LYMPHO- CYTES	PLASMO- CYTES	MONOCYTES	OTHERS	(DAY)
226	44	16.72	0.44	0.44	0.0	26.40	0.0	0.0	0.0	735
227	A 23	10.58	0.69	A 0.23	A 0.0	11.50	A 0.0	A 0.0	A 0.0	735
228	22	8.58	0.44	0.44	0.0	12.54	0.0	0.0	0.0	735
229	36	18.72	0.36	0.72	0.0	16.20	0.0	0.0	0.0	735
230	21	10.92	0.63	0.0	0.0	9.45	0.0	0.0	0.0	735
231	28	10.64	1.40	1.40	0.0	14.56	0.0	0.0	0.0	735
232	30	13.80	0.90	0.0	0.0	15.30	0.0	0.0	0.0	735
233	49	26.95	0.49	0.0	0.0	21.56	0.0	0.0	0.0	735
234	38	19.38	1.14	0.0	0.0	17.48	0.0	0.0	0.0	735
235	33	16.50	0.33	0.66	0.0	15.51	0.0	0.0	0.0	735
236	38	19.00	1.14	0.38	0.0	17.48	0.0	0.0	0.0	736
237	E	E	E	E	E	E	E	E	E	736
238	54	32.94	0.54	1.62	0.0	18.90	0.0	0.0	0.0	736
239	37	15.17	0.74	1.85	0.0	19.24	0.0	0.0	0.0	736
240	44	17.16	0.0	1.32	0.0	25.52	0.0	0.0	0.0	736
241	34	10.54	0.34	0.68	0.0	22.44	0.0	0.0	0.0	736
243	44	19.36	0.0	1.32	0.0	23.32	0.0	0.0	0.0	736
246	43	21.50	0.0	0.86	0.0	20.64	0.0	0.0	0.0	736
249	69	40.71	0.69	2.07	0.0	25.53	0.0	0.0	0.0	736
250	42	16.80	0.42	0.42	0.0	24.36	0.0	0.0	0.0	736

A : EXCLUDED FROM STATISTICAL CALCULATIONS BECAUSE OF AGGREGATION.

E : EXCEEDED THE UPPER BOUND OF INDICATOR

APPENDIX 6-1-M3-3 CONTINUED(2)
 CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
 OF METHANOL IN F344 RATS

INDIVIDUAL HEMATOLOGICAL DATA (HEMOGRAM-2)

LEVEL AND SEX : 100 PPM (MALE)

ANIMALS KILLED ON SCHEDULE (104 WEEKS)

EXPERIMENTAL NO. 82014

ANIMAL NUMBER	WBC COUNTS (X100/CMM)	LEUCOCYTES COUNT (X100/CMM)									(DAY)
		NEUTROPHILS SEGMENT.	STAB.	EOSINO- PHILS	BASO- PHILS	LYMPHO- CYTES	PLASMO- CYTES	MONOCYTES	OTHERS		
251	52	21.32	0.52	3.64	0.0	26.52	0.0	0.0	0.0	736	
252	46	22.08	0.46	0.0	0.0	23.46	0.0	0.0	0.0	736	
MEAN	36.4	16.38	0.51	0.72	0.0	18.84	0.0	0.01	0.0		
S.D.	23.55	7.34	0.79	0.83	0.0	17.80	0.0	0.04	0.0		
N	40	40	40	40	40	40	40	40	40		

APPENDIX 6-1-M4-3

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

INDIVIDUAL HEMATOLOGICAL DATA (HEMOGRAM-2)

LEVEL AND SEX : 1000 PPM (MALE)

ANIMALS KILLED ON SCHEDULE (104 WEEKS)

EXPERIMENTAL NO. 82014

LEUCOCYTES COUNT (X100/CMM)

ANIMAL NUMBER	WBC COUNTS (X100/CMM)	NEUTROPHILS		EOSINO- PHILS	BASO- PHILS	LYMPHO- CYTES		PLASMO- CYTES	MONOCYTES	OTHERS	(DAY)
		SEGMENT.	STAB.								
301	22	11.44	0.0	0.22	0.0	10.34		0.0	0.0	0.0	733
302	25	13.25	0.25	0.0	0.0	11.50		0.0	0.0	0.0	733
303	27	11.07	0.0	0.27	0.0	15.66		0.0	0.0	0.0	733
304	23	8.97	0.23	0.23	0.0	13.57		0.0	0.0	0.0	733
305	35	20.30	0.0	0.0	0.0	14.70		0.0	0.0	0.0	733
306	25	13.25	1.00	0.25	0.0	10.50		0.0	0.0	0.0	733
308	22	11.22	0.44	0.88	0.0	9.46		0.0	0.0	0.0	733
310	26	10.14	0.26	0.0	0.0	15.60		0.0	0.0	0.0	733
313	32	11.52	2.56	0.32	0.0	17.60		0.0	0.0	0.0	733
314	44	22.44	1.76	1.76	0.0	18.04		0.0	0.0	0.0	734
315	33	14.52	0.0	0.66	0.0	17.82		0.0	0.0	0.0	734
316	23	11.50	1.61	0.69	0.0	9.20		0.0	0.0	0.0	734
317	27	14.04	0.54	0.54	0.0	11.88		0.0	0.0	0.0	734
320	26	9.10	0.26	0.78	0.0	15.86		0.0	0.0	0.0	734
326	30	12.30	0.30	0.0	0.0	17.40		0.0	0.0	0.0	734
327	37	22.20	0.37	0.74	0.0	13.69		0.0	0.0	0.0	734
328	23	13.57	0.46	0.0	0.0	8.97		0.0	0.0	0.0	734
330	27	9.18	1.08	0.81	0.0	15.93		0.0	0.0	0.0	734
331	34	14.62	1.36	0.0	0.0	18.02		0.0	0.0	0.0	735
333	37	19.98	0.0	0.74	0.0	16.28		0.0	0.0	0.0	735

APPENDIX 6-1-M4-3 CONTINUED

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

INDIVIDUAL HEMATOLOGICAL DATA (HEMOGRAM-2)

LEVEL AND SEX : 1000 PPM (MALE)

ANIMALS KILLED ON SCHEDULE (104 WEEKS)

EXPERIMENTAL NO. 82014

LEUCOCYTES COUNT (X100/CMM)

ANIMAL NUMBER	WBC COUNTS (X100/CMM)	NEUTROPHILS SEGMENT.	STAB.	EOSINO- PHILS	BASO- PHILS	LYMPHO- CYTES	PLASMO- CYTES	MONOCYTES	OTHERS	(DAY)
335	45	26.55	0.45	1.80	0.0	16.20	0.0	0.0	0.0	735
336	33	12.87	0.66	1.65	0.0	17.82	0.0	0.0	0.0	735
337	40	19.20	0.80	0.0	0.0	20.00	0.0	0.0	0.0	735
338	44	25.52	2.20	0.44	0.0	15.84	0.0	0.0	0.0	735
340	35	19.95	1.05	1.05	0.0	12.95	0.0	0.0	0.0	735
341	36	20.88	0.36	0.72	0.0	14.04	0.0	0.0	0.0	735
342	27	13.77	0.54	0.54	0.0	12.15	0.0	0.0	0.0	736
343	53	33.39	1.06	1.06	0.0	17.49	0.0	0.0	0.0	736
344	22	10.56	0.0	0.0	0.0	11.44	0.0	0.0	0.0	736
345	22	11.00	0.0	1.10	0.0	9.90	0.0	0.0	0.0	736
347	E	E	E	E	E	E	E	E	E	736
348	53	19.08	0.0	0.53	0.0	33.39	0.0	0.0	0.0	736
351	43	18.06	0.86	0.43	0.0	23.65	0.0	0.0	0.0	736
MEAN	32.2	15.79	0.64	0.57	0.0	15.22	0.0	0.0	0.0	
S.D.	9.03	5.90	0.67	0.52	0.0	4.81	0.0	0.0	0.0	
N	32	32	32	32	32	32	32	32	32	

E : EXCEEDED THE UPPER BOUND OF INDICATOR

APPENDIX 6-1-F1-3

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

INDIVIDUAL HEMATOLOGICAL DATA (HEMOGRAM-2)

LEVEL AND SEX : 0 PPM (FEMALE)

ANIMALS KILLED ON SCHEDULE (104 WEEKS)

EXPERIMENTAL NO. 82014

LEUCOCYTES COUNT (X100/CMM)

ANIMAL NUMBER	WBC COUNTS (X100/CMM)	NEUTROPHILS		EOSINO- PHILS	BASO- PHILS	LYMPHO- CYTES		PLASMO- CYTES	MONOCYTES	OTHERS	(DAY)
		SEGMENT.	STAB.								
1001	31	17.36	0.31	0.62	0.0	12.71		0.0	0.0	0.0	740
1002	28	16.52	0.56	0.28	0.0	10.64		0.0	0.0	0.0	740
1003	A 30	10.80	0.90	0.30	A	18.00	A	0.0	A	0.0	740
1008	37	19.24	0.37	0.74	0.0	16.65		0.0	0.0	0.0	740
1009	42	14.28	0.42	1.68	0.0	25.62		0.0	0.0	0.0	740
1010	44	11.88	0.88	0.0	0.0	31.24		0.0	0.0	0.0	740
1013	22	6.82	0.0	0.22	0.0	14.96		0.0	0.0	0.0	740
1016	29	14.50	0.0	0.0	0.0	14.50		0.0	0.0	0.0	740
1018	18	7.38	0.54	0.0	0.0	10.08		0.0	0.0	0.0	740
1019	21	5.25	0.63	0.0	0.0	15.12		0.0	0.0	0.0	741
1020	25	10.25	0.75	0.25	0.0	13.75		0.0	0.0	0.0	741
1021	A 24	8.40	0.96	0.0	A	14.64	A	0.0	A	0.0	741
1022	20	8.00	0.40	0.60	0.0	11.00		0.0	0.0	0.0	741
1023	72	9.36	0.0	0.0	0.0	62.64		0.0	0.0	0.0	741
1024	28	12.32	0.28	0.56	0.0	14.84		0.0	0.0	0.0	741
1025	26	12.74	0.26	0.0	0.0	13.00		0.0	0.0	0.0	741
1026	24	10.32	0.24	0.0	0.0	13.44		0.0	0.0	0.0	741
1029	22	11.00	0.22	0.22	0.0	10.56		0.0	0.0	0.0	741
1030	24	10.56	0.48	0.24	0.0	12.72		0.0	0.0	0.0	742
1031	40	28.40	0.80	0.0	0.0	10.80		0.0	0.0	0.0	742

A : EXCLUDED FROM STATISTICAL CALCULATIONS BECAUSE OF AGGREGATION

APPENDIX 6-1-F1-3 CONTINUED

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

INDIVIDUAL HEMATOLOGICAL DATA (HEMOGRAM-2)

LEVEL AND SEX : 0 PPM (FEMALE)

ANIMALS KILLED ON SCHEDULE (104 WEEKS)

EXPERIMENTAL NO. 82014

ANIMAL NUMBER	WBC COUNTS (X100/CMM)	LEUCOCYTES COUNT (X100/CMM)										(DAY)
		NEUTROPHILS SEGMENT.	STAB.	EOSINO- PHILS	BASO- PHILS	LYMPHO- CYTES	PLASMO- CYTES	MONOCYTES	OTHERS			
1032	21	6.51	0.0	0.21	0.0	14.28	0.0	0.0	0.0	742		
1034	28	13.16	1.12	0.56	0.0	13.16	0.0	0.0	0.0	742		
1035	68	13.60	0.0	0.0	0.0	54.40	0.0	0.0	0.0	742		
1038	103	19.57	0.0	1.03	0.0	82.40	0.0	0.0	0.0	742		
1039	21	6.72	0.21	0.42	0.0	13.65	0.0	0.0	0.0	742		
1040	21	6.93	0.21	0.21	0.0	13.65	0.0	0.0	0.0	743		
1042	27	18.63	0.54	0.27	0.0	7.56	0.0	0.0	0.0	743		
1046	17	5.78	0.0	0.0	0.0	11.22	0.0	0.0	0.0	743		
1047	34	18.02	0.68	0.68	0.0	14.62	0.0	0.0	0.0	743		
1048	A 22	8.80	A 0.66	A 1.54	0.0	A 11.00	A 0.0	A 0.0	A 0.0	743		
1052	35	15.75	0.35	0.0	0.0	18.90	0.0	0.0	0.0	743		
MEAN	33.1	12.53	0.37	0.31	0.0	19.93	0.0	0.0	0.0			
S.D.	19.04	5.37	0.30	0.39	0.0	17.50	0.0	0.0	0.0			
N	28	28	28	28	28	28	28	28	28			

A : EXCLUDED FROM STATISTICAL CALCULATIONS BECAUSE OF AGGREGATION

APPENDIX 6-1-F2-3

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

INDIVIDUAL HEMATOLOGICAL DATA (HEMOGRAM-2)

LEVEL AND SEX : 10 PPM (FEMALE)

ANIMALS KILLED ON SCHEDULE (104 WEEKS)

EXPERIMENTAL NO. 82014

LEUCOCYTES COUNT (X100/CMM)

ANIMAL NUMBER	WBC COUNTS (X100/CMM)	NEUTROPHILS		EOSINO- PHILS	BASO- PHILS	LYMPHO- CYTES		PLASMO- CYTES	MONOCYTES	OTHERS	(DAY)
		SEGMENT.	STAB.								
1101	57	13.11	1.14	0.0	0.0	42.75		0.0	0.0	0.0	740
1102	A 27	6.48	0.54	1.35	A 0.0	18.63	A	0.0	A 0.0	A 0.0	740
1103	29	8.12	0.29	0.58	0.0	20.01		0.0	0.0	0.0	740
1104	34	18.70	0.68	0.34	0.0	14.28		0.0	0.0	0.0	740
1106	A 26	11.18	1.82	0.52	A 0.0	12.48	A	0.0	A 0.0	A 0.0	740
1107	35	18.20	1.05	0.35	0.0	15.40		0.0	0.0	0.0	740
1108	35	18.20	1.40	0.70	0.0	14.70		0.0	0.0	0.0	740
1109	20	9.40	0.20	0.20	0.0	10.20		0.0	0.0	0.0	740
1111	27	10.26	1.89	0.27	0.0	14.58		0.0	0.0	0.0	740
1113	33	9.90	0.99	0.33	0.0	21.78		0.0	0.0	0.0	741
1114	29	15.37	0.0	0.29	0.0	13.34		0.0	0.0	0.0	741
1115	28	6.72	0.28	0.28	0.0	20.72		0.0	0.0	0.0	741
1116	22	10.12	0.66	0.44	0.0	10.78		0.0	0.0	0.0	741
1117	23	7.59	0.92	0.0	0.0	14.49		0.0	0.0	0.0	741
1118	24	10.56	0.24	0.0	0.0	13.20		0.0	0.0	0.0	741
1123	19	7.79	0.38	0.57	0.0	10.26		0.0	0.0	0.0	741
1125	24	12.72	0.0	0.48	0.0	10.80		0.0	0.0	0.0	741
1126	98	76.44	0.98	0.98	0.0	19.60		0.0	0.0	0.0	741
1128	17	9.01	0.0	0.0	0.0	7.99		0.0	0.0	0.0	742
1131	15	3.60	0.0	0.45	0.0	10.95		0.0	0.0	0.0	742

A : EXCLUDED FROM STATISTICAL CALCULATIONS BECAUSE OF AGGREGATION

APPENDIX 6-1-F2-3 CONTINUED

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

INDIVIDUAL HEMATOLOGICAL DATA (HEMOGRAM-2)

LEVEL AND SEX : 10 PPM (FEMALE)

ANIMALS KILLED ON SCHEDULE (104 WEEKS)

EXPERIMENTAL NO. 82014

ANIMAL NUMBER	WBC COUNTS (X100/CMM)	LEUCOCYTES COUNT (X100/CMM)										(DAY)
		NEUTROPHILS SEGMENT.	STAB.	EOSINO- PHILS	BASO- PHILS	LYMPHO- CYTES	PLASMO- CYTES	MONOCYTES	OTHERS			
1132	23	10.58	0.0	0.0	0.0	12.42	0.0	0.0	0.0	742		
1133	25	4.00	0.0	0.0	0.0	21.00	0.0	0.0	0.0	742		
1136	22	14.96	0.0	0.44	0.0	6.60	0.0	0.0	0.0	742		
1138	12	5.28	0.0	0.12	0.0	6.60	0.0	0.0	0.0	742		
1142	21	10.08	0.42	0.84	0.0	9.66	0.0	0.0	0.0	742		
1143	21	9.45	0.0	0.21	0.0	11.34	0.0	0.0	0.0	743		
1144	A 15	8.85	A 0.30	A 0.15	A 0.0	A 5.70	A 0.0	A 0.0	A 0.0	743		
1145	21	12.18	0.0	0.42	0.0	8.40	0.0	0.0	0.0	743		
1146	25	14.00	1.00	0.50	0.0	9.50	0.0	0.0	0.0	743		
1148	19	8.55	0.38	0.19	0.0	9.88	0.0	0.0	0.0	743		
1149	26	15.34	0.26	0.52	0.0	9.88	0.0	0.0	0.0	743		
1151	22	11.22	0.0	0.0	0.0	10.78	0.0	0.0	0.0	743		
MEAN	27.8	13.15	0.45	0.33	0.0	13.86	0.0	0.0	0.0			
S.D.	15.85	12.80	0.52	0.26	0.0	7.02	0.0	0.0	0.0			
N	29	29	29	29	29	29	29	29	29			

A : EXCLUDED FROM STATISTICAL CALCULATIONS BECAUSE OF AGGREGATION

APPENDIX 6-1-F3-3

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

INDIVIDUAL HEMATOLOGICAL DATA (HEMOGRAM-2)

LEVEL AND SEX : 100 PPM (FEMALE)

ANIMALS KILLED ON SCHEDULE (104 WEEKS)

EXPERIMENTAL NO. 82014

LEUCOCYTES COUNT (X100/CMM)

ANIMAL NUMBER	WBC COUNTS (X100/CMM)	NEUTROPHILS		EOSINO- PHILS	BASO- PHILS	LYMPHO- CYTES		PLASMO- CYTES	MONOCYTES	OTHERS	(DAY)
		SEGMENT.	STAB.								
1201	30	9.30	0.30	0.30	0.0	20.10		0.0	0.0	0.0	740
1203	50	34.00	0.50	1.00	0.0	14.50		0.0	0.0	0.0	740
1205	29	14.21	0.29	0.29	0.0	14.21		0.0	0.0	0.0	740
1206	35	15.40	0.35	1.75	0.0	17.15		0.0	0.35	0.0	740
1208	30	15.30	0.30	0.30	0.0	14.10		0.0	0.0	0.0	740
1210	34	10.54	0.34	0.0	0.0	23.12		0.0	0.0	0.0	740
1211	30	12.90	0.30	0.30	0.0	16.50		0.0	0.0	0.0	740
1213	24	11.52	0.24	0.48	0.0	11.76		0.0	0.0	0.0	740
1214	32	19.20	0.0	0.64	0.0	12.16		0.0	0.0	0.0	740
1216	23	8.51	0.46	0.0	0.0	14.03		0.0	0.0	0.0	741
1217	45	12.60	1.35	0.90	0.0	30.15		0.0	0.0	0.0	741
1219	14	5.32	0.42	0.0	0.0	8.26		0.0	0.0	0.0	741
1220	19	8.74	0.0	0.95	0.0	9.31		0.0	0.0	0.0	741
1222	50	13.50	0.0	0.50	0.0	35.50		0.0	0.50	0.0	741
1228	24	9.36	0.0	0.96	0.0	13.68		0.0	0.0	0.0	741
1229	33	16.17	0.0	0.33	0.0	16.50		0.0	0.0	0.0	741
1231	28	10.08	0.84	0.28	0.0	16.80		0.0	0.0	0.0	741
1232	38	20.14	0.0	0.38	0.0	17.48		0.0	0.0	0.0	741
1234	19	8.93	0.19	0.19	0.0	9.69		0.0	0.0	0.0	742
1237	19	8.74	0.0	0.19	0.0	10.07		0.0	0.0	0.0	742

APPENDIX 6-1-F3-3 CONTINUED

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

INDIVIDUAL HEMATOLOGICAL DATA (HEMOGRAM-2)

LEVEL AND SEX : 100 PPM (FEMALE)

ANIMALS KILLED ON SCHEDULE (104 WEEKS)

EXPERIMENTAL NO. 82014

LEUCOCYTES COUNT (X100/CMM)

ANIMAL	WBC		-----									
	COUNTS											
NUMBER	(X100/CMM)	SEGMENT.	NEUTROPHILS	EOSINO-	BASO-	LYMPHO-	PLASMO-	MONOCYTES	OTHERS		(DAY)	
			STAB.	PHILS	PHILS	CYTES	CYTES	CYTES				
1238	32	13.76	0.32	1.28	0.0	16.64	0.0	0.0	0.0	0.0	742	
1239	A 15	6.30	A 0.0	A 0.45	A 0.0	8.25	A 0.0	A 0.0	A 0.0	0.0	742	
1240	21	10.71	0.21	1.05	0.0	9.03	0.0	0.0	0.0	0.0	742	
1242	18	8.46	0.90	0.0	0.0	8.64	0.0	0.0	0.0	0.0	742	
1245	18	8.64	0.18	0.72	0.0	8.46	0.0	0.0	0.0	0.0	742	
1246	31	17.05	0.31	0.0	0.0	13.64	0.0	0.0	0.0	0.0	743	
1247	A 24	7.44	A 0.24	A 0.0	A 0.0	16.32	A 0.0	A 0.0	A 0.0	0.0	743	
1248	17	6.63	0.17	0.17	0.0	10.03	0.0	0.0	0.0	0.0	743	
1251	18	6.12	0.36	0.54	0.0	10.98	0.0	0.0	0.0	0.0	743	
1252	23	9.89	0.46	0.46	0.0	12.19	0.0	0.0	0.0	0.0	743	

MEAN	28.0	12.35	0.31	0.50	0.0	14.81	0.0	0.03	0.0	0.0		
S.D.	9.65	5.70	0.31	0.44	0.0	6.34	0.0	0.11	0.0	0.0		
N	28	28	28	28	28	28	28	28	28	28		

A : EXCLUDED FROM STATISTICAL CALCULATIONS BECAUSE OF AGGREGATION

APPENDIX 6-1-F4-3

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

INDIVIDUAL HEMATOLOGICAL DATA (HEMOGRAM-2)

LEVEL AND SEX : 1000 PPM (FEMALE)

ANIMALS KILLED ON SCHEDULE (104 WEEKS)

EXPERIMENTAL NO. 82014

LEUCOCYTES COUNT (X100/CMM)

ANIMAL NUMBER	WBC COUNTS (X100/CMM)		NEUTROPHILS SEGMENT.		EOSINO- PHILS		BASO- PHILS		LYMPHO- CYTES		PLASMO- CYTES		MONOCYTES		OTHERS		(DAY)
	A	32	A	0.32	A	0.32	A	0.0	A	21.12	A	0.0	A	0.0	A	0.0	
1301	A	32	10.24	0.32	A	0.32	A	0.0	A	21.12	A	0.0	A	0.0	A	0.0	740
1303		33	12.87	1.65		0.66		0.0		17.82		0.0		0.0		0.0	740
1304		34	19.38	0.0		1.02		0.0		13.60		0.0		0.0		0.0	740
1306		29	14.21	0.87		0.0		0.0		13.92		0.0		0.0		0.0	740
1307		38	13.30	0.76		1.52		0.0		22.42		0.0		0.0		0.0	740
1310		30	11.70	0.90		0.60		0.0		16.80		0.0		0.0		0.0	740
1313		28	11.20	0.28		0.56		0.0		15.96		0.0		0.0		0.0	740
1314		63	23.31	0.63		0.0		0.0		38.43		0.0		0.63		0.0	740
1316		25	9.50	0.25		0.50		0.0		14.75		0.0		0.0		0.0	740
1317		22	14.52	0.22		0.0		0.0		7.26		0.0		0.0		0.0	741
1320		25	13.00	0.75		0.0		0.0		11.25		0.0		0.0		0.0	741
1321		18	6.84	0.36		0.54		0.0		10.26		0.0		0.0		0.0	741
1322		29	9.57	0.87		0.29		0.0		18.27		0.0		0.0		0.0	741
1323		22	10.78	0.44		0.44		0.0		10.34		0.0		0.0		0.0	741
1324		60	10.80	0.0		0.60		0.0		48.60		0.0		0.0		0.0	741
1326		44	21.56	1.76		0.88		0.0		19.80		0.0		0.0		0.0	741
1327		29	21.17	0.87		0.29		0.0		6.67		0.0		0.0		0.0	741
1330		19	7.03	0.38		0.38		0.0		11.21		0.0		0.0		0.0	741
1331		23	11.50	0.69		0.46		0.0		10.35		0.0		0.0		0.0	741
1332		22	9.46	0.44		0.0		0.0		12.10		0.0		0.0		0.0	741

A : EXCLUDED FROM STATISTICAL CALCULATIONS BECAUSE OF AGGREGATION

APPENDIX 6-1-F4-3 CONTINUED

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

INDIVIDUAL HEMATOLOGICAL DATA (HEMOGRAM-2)

LEVEL AND SEX : 1000 PPM (FEMALE)

ANIMALS KILLED ON SCHEDULE (104 WEEKS)

EXPERIMENTAL NO. 82014

ANIMAL NUMBER	WBC COUNTS (X100/CMM)	LEUCOCYTES COUNT (X100/CMM)										(DAY)
		NEUTROPHILS		EOSINO- PHILS	BASO- PHILS	LYMPHO- CYTES	PLASMO- CYTES	MONOCYTES	OTHERS			
		SEGMENT.	STAB.									
1334	22	9.02	0.0	0.22	0.0	12.76	0.0	0.0	0.0	0.0	742	
1336	28	12.32	0.56	0.56	0.0	14.56	0.0	0.0	0.0	0.0	742	
1338	A 36	7.20	A	0.36	A	28.44	A	0.0	A	A	742	
1339	22	11.22	0.0	0.22	0.0	10.56	0.0	0.0	0.0	0.0	742	
1340	22	9.24	0.44	0.22	0.0	12.10	0.0	0.0	0.0	0.0	742	
1341	A 32	10.88	A	0.0	A	21.12	A	0.0	A	A	742	
1343	34	21.42	0.68	1.02	0.0	10.88	0.0	0.0	0.0	0.0	742	
1345	23	13.11	0.46	0.46	0.0	8.97	0.0	0.0	0.0	0.0	743	
1346	A 29	10.73	A	0.0	A	17.98	A	0.0	A	A	743	
1347	82	18.04	0.0	0.0	0.0	63.96	0.0	0.0	0.0	0.0	743	
1348	21	10.92	0.42	1.05	0.0	8.61	0.0	0.0	0.0	0.0	743	
1349	18	8.64	0.36	0.54	0.0	8.46	0.0	0.0	0.0	0.0	743	
1350	28	9.52	0.0	0.0	0.0	18.48	0.0	0.0	0.0	0.0	743	
1351	17	6.63	0.17	0.17	0.0	10.03	0.0	0.0	0.0	0.0	743	
1352	25	10.50	0.0	0.75	0.0	13.75	0.0	0.0	0.0	0.0	743	

A : EXCLUDED FROM STATISTICAL CALCULATIONS BECAUSE OF AGGREGATION

APPENDIX 6-2-M1-3

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

INDIVIDUAL HEMATOLOGICAL DATA (HEMOGRAM-2)

LEVEL AND SEX : 0 PPM (MALE)

ANIMALS KILLED IN EXTREMIS

EXPERIMENTAL NO. 82014

ANIMAL NUMBER	WBC COUNTS (X100/CMM)	LEUCOCYTES COUNT (X100/CMM)										(DAY)
		NEUTROPHILS SEGMENT.	STAB.	EOSINO- PHILS	BASO- PHILS	LYMPHO- CYTES	PLASMO- CYTES	MONOCYTES	OTHERS			
7	29	19.72	0.87	0.0	0.0	8.41	0.0	0.0	0.0	0.0	721	
8	641	57.69	6.41	0.0	0.0	576.90	0.0	0.0	0.0	0.0	687	
10	160	129.60	0.0	0.0	0.0	30.40	0.0	0.0	0.0	0.0	608	
13	86	69.66	0.0	0.0	0.0	16.34	0.0	0.0	0.0	0.0	714	
16	E	E	E	E	E	E	E	E	E	E	435	
21	34	22.44	0.34	0.0	0.0	11.22	0.0	0.0	0.0	0.0	726	
22	21	13.86	0.42	0.0	0.0	6.72	0.0	0.0	0.0	0.0	670	
24	25	14.50	0.25	0.25	0.0	10.00	0.0	0.0	0.0	0.0	673	
27	22	15.18	0.0	0.88	0.0	5.94	0.0	0.0	0.0	0.0	623	
29	23	14.72	0.0	0.0	0.0	8.28	0.0	0.0	0.0	0.0	356	
34	355	81.65	0.0	0.0	0.0	273.35	0.0	0.0	0.0	0.0	686	
43	136	100.64	0.0	1.36	0.0	34.00	0.0	0.0	0.0	0.0	701	
49	22	12.54	0.0	0.0	0.0	9.46	0.0	0.0	0.0	0.0	729	
50	33	18.81	0.0	0.33	0.0	13.86	0.0	0.0	0.0	0.0	706	

E : Exceeded the upper bound of indicator.

APPENDIX 6-2-M2-3

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

INDIVIDUAL HEMATOLOGICAL DATA (HEMOGRAM-2)

LEVEL AND SEX : 10 PPM (MALE)

ANIMALS KILLED IN EXTREMIS

EXPERIMENTAL NO. 82014

LEUCOCYTES COUNT (X100/CMM)

ANIMAL NUMBER	WBC COUNTS (X100/CMM)	NEUTROPHILS SEGMENT.	STAB.	EOSINO- PHILS	BASO- PHILS	LYMPHO- CYTES	PLASMO- CYTES	MONOCYTES	OTHERS	(DAY)
101	60	32.40	0.60	1.20	0.0	25.80	0.0	0.0	0.0	712
105	25	14.50	0.0	0.0	0.0	10.50	0.0	0.0	0.0	665
109	74	45.14	0.0	3.70	0.0	25.16	0.0	0.0	0.0	579
110	52	36.40	0.52	0.0	0.0	15.08	0.0	0.0	0.0	721
112	75	33.00	3.00	0.0	0.0	39.00	0.0	0.0	0.0	537
115	99	36.63	0.99	2.97	0.0	58.41	0.0	0.0	0.0	711
118	48	30.24	0.96	0.0	0.0	16.80	0.0	0.0	0.0	519
119	50	37.00	0.50	0.0	0.0	12.50	0.0	0.0	0.0	697
123	28	19.60	0.28	0.0	0.0	8.12	0.0	0.0	0.0	715
125	35	21.70	0.35	0.70	0.0	12.25	0.0	0.0	0.0	644
126	42	18.06	0.0	0.42	0.0	23.52	0.0	0.0	0.0	636
133	E	E	E	E	E	E	E	E	E	613
135	499	469.06	0.0	0.0	0.0	29.94	0.0	0.0	0.0	666
139	E	E	E	E	E	E	E	E	E	396
150	90	47.70	3.60	0.0	0.0	38.70	0.0	0.0	0.0	690

E : Exceeded the upper bound of indicator.

APPENDIX 6-2-M3-3

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

INDIVIDUAL HEMATOLOGICAL DATA (HEMOGRAM-2)

LEVEL AND SEX : 100 PPM (MALE)

ANIMALS KILLED IN EXTREMIS

EXPERIMENTAL NO. 82014

ANIMAL NUMBER	WBC COUNTS (X100/CMM)	LEUCOCYTES COUNT (X100/CMM)										(DAY)			
		NEUTROPHILS		EOSINO- PHILS		BASO- PHILS		LYMPHO- CYTES		PLASMO- CYTES			MONOCYTES		OTHERS
		SEGMENT.	STAB.												
204	64	39.04	0.64	0.0	0.0	0.0	0.0	24.32	0.0	0.0	0.0	0.0	0.0	0.0	631
223	32	11.52	1.28	0.0	0.0	0.0	0.0	19.20	0.0	0.0	0.0	0.0	0.0	0.0	463
244	493	34.51	0.0	0.0	0.0	0.0	0.0	458.49	0.0	0.0	0.0	0.0	0.0	0.0	694
245	22	11.44	0.66	0.44	0.0	0.0	0.0	9.46	0.0	0.0	0.0	0.0	0.0	0.0	671
247	87	60.03	0.0	0.87	0.0	0.0	0.0	26.10	0.0	0.0	0.0	0.0	0.0	0.0	540

APPENDIX 6-2-M4-3

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY OF METHANOL IN F344 RATS

INDIVIDUAL HEMATOLOGICAL DATA (HEMOGRAM-2)

LEVEL AND SEX : 1000 PPM (MALE)

ANIMALS KILLED IN EXTREMIS

EXPERIMENTAL NO. 82014

ANIMAL NUMBER	WBC COUNTS (X100/CMM)	LEUCOCYTES COUNT (X100/CMM)										(DAY)
		NEUTROPHILS SEGMENT.	STAB.	EOSINO- PHILS	BASO- PHILS	LYMPHO- CYTES	PLASMO- CYTES	MONOCYTES	OTHERS			
307	E	E	E	E	E	E	E	E	E	E	690	
309	37	23.68	0.0	0.37	0.0	12.95	0.0	0.0	0.0	0.0	574	
311	662	92.68	0.0	13.24	0.0	556.08	0.0	0.0	0.0	0.0	720	
312	131	66.81	0.0	1.31	0.0	62.88	0.0	0.0	0.0	0.0	559	
318	38	13.68	1.14	0.0	0.0	23.18	0.0	0.0	0.0	0.0	610	
321	16	9.60	0.0	0.0	0.0	6.40	0.0	0.0	0.0	0.0	711	
322	E	E	E	E	E	E	E	E	E	E	588	
323	55	41.80	0.0	0.55	0.0	12.65	0.0	0.0	0.0	0.0	687	
325	E	E	E	E	E	E	E	E	E	E	694	
329	124	60.76	3.72	7.44	0.0	52.08	0.0	0.0	0.0	0.0	713	
332	282	31.02	0.0	0.0	0.0	250.98	0.0	0.0	0.0	0.0	659	
339	49	21.07	1.47	1.47	0.0	24.99	0.0	0.0	0.0	0.0	712	
349	701	140.20	0.0	0.0	0.0	560.80	0.0	0.0	0.0	0.0	729	

E : Exceeded the upper bound of indicator.

APPENDIX 6-2-F1-3

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY OF METHANOL IN F344 RATS

INDIVIDUAL HEMATOLOGICAL DATA (HEMOGRAM-2)

LEVEL AND SEX : 0 PPM (FEMALE)

ANIMALS KILLED IN EXTREMIS

EXPERIMENTAL NO. 82014

LEUCOCYTES COUNT (X100/CMM)

ANIMAL NUMBER	WBC COUNTS (X100/CMM)	NEUTROPHILS SEGMENT.	STAB.	EOSINO- PHILS	BASO- PHILS	LYMPHO- CYTES	PLASMO- CYTES	MONOCYTES	OTHERS	(DAY)
1004	27	17.01	0.81	0.54	0.0	8.64	0.0	0.0	0.0	616
1005	15	8.25	0.0	0.0	0.0	6.75	0.0	0.0	0.0	691
1006	13	6.63	0.0	0.13	0.0	6.24	0.0	0.0	0.0	616
1007	35	24.50	0.0	0.0	0.0	10.50	0.0	0.0	0.0	596
1014	70	52.50	0.0	0.0	0.0	17.50	0.0	0.0	0.0	651
1015	19	9.31	0.19	0.19	0.0	9.31	0.0	0.0	0.0	547
1027	21	10.29	0.0	0.0	0.0	10.71	0.0	0.0	0.0	645
1028	45	10.35	0.45	0.0	0.0	34.20	0.0	0.0	0.0	687
1033	455	36.40	0.0	0.0	0.0	418.60	0.0	0.0	0.0	715
1036	45	29.25	0.0	0.0	0.0	15.75	0.0	0.0	0.0	694
1037	E	E	E	E	E	E	E	E	E	721
1043	692	103.80	0.0	0.0	0.0	588.20	0.0	0.0	0.0	708
1045	97	43.65	1.94	0.0	0.0	51.41	0.0	0.0	0.0	572
1049	29	18.56	0.29	0.0	0.0	10.15	0.0	0.0	0.0	686
1050	699	104.85	13.98	0.0	0.0	566.19	0.0	13.98	0.0	499
1051	697	90.61	6.97	0.0	0.0	599.42	0.0	0.0	0.0	733

E :Exceeded the upper bound of indicator.

APPENDIX 6-2-F2-3

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

INDIVIDUAL HEMATOLOGICAL DATA (HEMOGRAM-2)

LEVEL AND SEX : 10 PPM (FEMALE)

ANIMALS KILLED IN EXTREMIS

EXPERIMENTAL NO. 82014

LEUCOCYTES COUNT (X100/CMM)

ANIMAL NUMBER	WBC COUNTS (X100/CMM)	NEUTROPHILS SEGMENT.	STAB.	EOSINO- PHILS	BASO- PHILS	LYMPHO- CYTES	PLASMO- CYTES	MONOCYTES	OTHERS	(DAY)
1105	15	9.60	0.15	0.15	0.0	5.10	0.0	0.0	0.0	722
1112	32	17.28	0.64	0.96	0.0	13.12	0.0	0.0	0.0	550
1119	608	85.12	6.08	0.0	0.0	516.80	0.0	0.0	0.0	561
1120	E	E	E	E	E	E	E	E	E	659
1121	52	35.36	0.52	1.04	0.0	15.08	0.0	0.0	0.0	687
1122	20	13.20	0.20	0.20	0.0	6.20	0.0	0.20	0.0	676
1124	23	11.04	0.23	0.0	0.0	11.73	0.0	0.0	0.0	735
1127	28	14.00	0.0	0.28	0.0	13.72	0.0	0.0	0.0	638
1129	1	0.19	0.02	0.02	0.0	0.77	0.0	0.0	0.0	659
1134	326	55.42	0.0	0.0	0.0	270.58	0.0	0.0	0.0	680
1137	E	E	E	E	E	E	E	E	E	713
1139	124	11.16	1.24	0.0	0.0	111.60	0.0	0.0	0.0	680
1140	E	E	E	E	E	E	E	E	E	721
1141	E	E	E	E	E	E	E	E	E	666
1147	E	E	E	E	E	E	E	E	E	629
1150	13	7.28	0.39	0.0	0.0	5.33	0.0	0.0	0.0	631
1152	13	6.63	0.0	0.0	0.0	6.37	0.0	0.0	0.0	729

E : Exceeded the upper bound of indicator.

APPENDIX 6-2-F3-3

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

INDIVIDUAL HEMATOLOGICAL DATA (HEMOGRAM-2)

LEVEL AND SEX : 100 PPM (FEMALE)

ANIMALS KILLED IN EXTREMIS

EXPERIMENTAL NO. 82014

LEUCOCYTES COUNT (X100/CMM)

ANIMAL	WBC	NEUTROPHILS	EOSINO-	BASO-	LYMPHO-	PLASMO-	MONOCYTES	OTHERS	(DAY)
NUMBER	(X100/CMM)	SEGMENT.	PHILS	PHILS	CYTES	CYTES			
1202	32	8.64	0.0	0.0	22.72	0.0	0.64	0.0	657
1207	258	36.12	0.0	0.0	216.72	0.0	0.0	0.0	666
1209	107	89.88	1.07	0.0	16.05	0.0	0.0	0.0	658
1212	17	12.41	0.0	0.0	4.59	0.0	0.0	0.0	617
1215	20	10.40	0.20	0.0	9.40	0.0	0.0	0.0	427
1218	18	8.64	0.36	0.0	8.82	0.0	0.0	0.0	728
1221	E	E	E	E	E	E	E	E	560
1223	292	23.36	0.0	0.0	268.64	0.0	0.0	0.0	720
1225	230	39.10	2.30	0.0	186.30	0.0	0.0	0.0	718
1226	34	25.16	0.0	0.0	8.84	0.0	0.0	0.0	732
1227	12	3.24	0.12	0.0	8.64	0.0	0.0	0.0	575
1230	37	29.60	0.0	0.0	7.40	0.0	0.0	0.0	607
1235	125	93.75	1.25	0.0	30.00	0.0	0.0	0.0	665
1236	64	49.92	0.0	0.0	14.08	0.0	0.0	0.0	727
1244	88	68.64	0.0	0.0	19.36	0.0	0.0	0.0	609

E : Exceeded the upper bound of indicator.

APPENDIX 6-2-F4-3

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

INDIVIDUAL HEMATOLOGICAL DATA (HEMOGRAM-2)

LEVEL AND SEX : 1000 PPM (FEMALE)

ANIMALS KILLED IN EXTREMIS

EXPERIMENTAL NO. 82014

ANIMAL NUMBER	WBC COUNTS (X100/CMM)	LEUCOCYTES COUNT (X100/CMM)										(DAY)
		NEUTROPHILS SEGMENT.	STAB.	EOSINO- PHILS	BASO- PHILS	LYMPHO- CYTES	PLASMO- CYTES	MONOCYTES	OTHERS			
1305	841	403.68	0.0	0.0	0.0	437.32	0.0	0.0	0.0	0.0	690	
1308	58	37.12	0.0	0.0	0.0	20.88	0.0	0.0	0.0	0.0	722	
1309	E	E	E	E	E	E	E	E	E	E	732	
1311	40	22.80	2.40	0.0	0.0	14.80	0.0	0.0	0.0	0.0	671	
1312	25	14.25	0.75	0.0	0.0	10.00	0.0	0.0	0.0	0.0	652	
1319	446	53.52	8.92	0.0	0.0	383.56	0.0	0.0	0.0	0.0	735	
1325	65	44.20	0.0	0.0	0.0	20.80	0.0	0.0	0.0	0.0	683	
1328	42	23.10	0.42	1.26	0.0	17.22	0.0	0.0	0.0	0.0	736	
1333	74	57.72	0.0	0.0	0.0	16.28	0.0	0.0	0.0	0.0	736	
1335	15	7.80	0.15	0.15	0.0	6.90	0.0	0.0	0.0	0.0	728	
1337	12	6.12	0.0	0.0	0.0	5.88	0.0	0.0	0.0	0.0	694	
1344	521	41.68	10.42	0.0	0.0	468.90	0.0	0.0	0.0	0.0	718	

E : EXCEEDED THE UPPER BOUND OF INDICATOR

APPENDIX 7-1-M1

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Biochemical Data

Level and Sex : 0 ppm Male

Animals Killed on Schedule (104 Week)

Experimental No. 82014

Animal	GOT	GPT	LDH	G-GTP	ALP	Total Cholesterol	Tri-glyceride	Free Fatty	
Number	(mIU/ml)	(mIU/ml)	(mIU/ml)	(mIU/ml)	(mIU/ml)	(mg/dl)	(mg/dl)	(μ Eq/l)	(Day)
1	56.	26.	567.	2.27	156.	139.	217.	760.	733
2	126.	48.	124.	15.89	369.	156.	170.	629.	733
3	53.	29.	436.	4.10	150.	160.	135.	711.	733
4	61.	28.	620.	6.03	201.	116.	129.	586.	733
5	150.	46.	295.	18.42	279.	162.	180.	624.	733
6	62.	24.	618.	1.66	128.	120.	152.	688.	733
9	54.	25.	598.	2.71	152.	113.	105.	695.	733
11	48.	23.	225.	4.72	135.	184.	162.	726.	733
12	103.	58.	530.	6.03	158.	169.	198.	770.	733
14	107.	50.	257.	15.63	281.	211.	162.	721.	734
15	162.	92.	340.	5.68	197.	132.	99.	349.	734
17	52.	20.	316.	5.33	171.	130.	120.	566.	734
18	50.	21.	261.	5.41	203.	164.	110.	611.	734
19	69.	34.	624.	3.32	156.	190.	187.	856.	734
20	64.	20.	733.	1.40	148.	118.	97.	703.	734
23	41.	23.	233.	0.96	135.	180.	132.	412.	734
25	54.	26.	432.	6.46	162.	159.	167.	690.	734
26	73.	34.	667.	0.35	117.	171.	125.	870.	734
28	59.	30.	612.	4.72	170.	179.	187.	759.	735
30	87.	28.	692.	8.56	196.	156.	165.	901.	735
Mean	76.6	34.3	459.0	5.983	183.2	155.5	150.0	681.4	
N	20	20	20	20	20	20	20	20	
S.D.	34.98	17.41	187.97	5.0710	61.82	27.45	34.93	136.88	

APPENDIX 7-1-M1 CONTINUED(1)

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Biochemical Data

Level and Sex : 0 ppm Male

Animals Killed on Schedule (104 Week)

Experimental No. 82014

Animal	Phospho- lipids	Glucose	Total Protein	Albumin	A/G	Urea Nitrogen	Calcium	Inorganic Phosphate	(Day)
Number	(mg/dl)	(mg/dl)	(g/dl)	(g/dl)		(mg/dl)	(mg/dl)	(mg/dl)	(Day)
1	208.	145.	5.63	3.09	1.22	15.	9.9	3.8	733
2	221.	135.	5.85	2.70	0.86	16.	10.3	4.3	733
3	211.	167.	5.95	3.12	1.10	17.	10.4	4.1	733
4	171.	145.	5.95	3.35	1.29	15.	10.6	4.1	733
5	235.	117.	5.40	2.99	1.24	14.	10.2	4.7	733
6	172.	134.	6.11	3.41	1.26	12.	10.1	3.8	733
9	175.	147.	5.98	3.44	1.35	13.	9.9	4.4	733
11	249.	135.	5.71	3.23	1.30	15.	10.3	4.3	733
12	235.	154.	5.97	3.17	1.13	15.	10.5	4.2	733
14	275.	137.	6.00	2.81	0.88	14.	10.2	3.4	734
15	207.	143.	5.83	2.38	0.69	14.	9.9	4.3	734
17	189.	136.	5.93	2.72	0.85	15.	10.6	4.4	734
18	218.	141.	5.87	2.88	0.96	14.	10.4	3.9	734
19	261.	139.	6.44	3.33	1.07	17.	11.3	4.3	734
20	150.	136.	5.28	2.75	1.09	9.	9.9	3.8	734
23	238.	127.	6.05	3.35	1.24	16.	10.5	4.1	734
25	241.	138.	6.33	3.39	1.15	12.	11.0	4.4	734
26	240.	100.	6.87	3.79	1.23	26.	10.4	4.9	734
28	234.	142.	6.14	3.32	1.18	13.	10.3	3.8	735
30	218.	122.	6.46	3.38	1.10	15.	10.4	4.1	735
<hr/>									
Mean	217.4	137.0	5.988	3.130	1.110	14.9	10.36	4.16	
N	20	20	20	20	20	20	20	20	
S.D.	32.62	13.79	0.3614	0.3380	0.1777	3.22	0.358	0.346	

APPENDIX 7-1-M1 CONTINUED(2)

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Biochemical Data

Level and Sex : 0 ppm Male

Animals Killed on Schedule (104 Week)

Experimental No. 82014

Animal Number	Na (mEq/l)	K (mEq/l)	Cl (mEq/l)	(Day)
1	143.	4.1	102.	733
2	143.	4.0	102.	733
3	143.	3.9	102.	733
4	147.	3.9	103.	733
5	145.	4.0	105.	733
6	145.	4.1	102.	733
9	143.	4.1	100.	733
11	144.	4.4	102.	733
12	144.	3.7	100.	733
14	145.	4.3	102.	734
15	150.	3.9	104.	734
17	144.	4.3	102.	734
18	144.	4.2	104.	734
19	142.	4.4	100.	734
20	142.	4.7	104.	734
23	142.	3.8	101.	734
25	142.	4.3	99.	734
26	144.	5.0	101.	734
28	142.	4.3	101.	735
30	145.	4.4	101.	735

Mean	144.0	4.19	101.9
N	20	20	20
S.D.	1.96	0.311	1.57

APPENDIX 7-1-M2

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Biochemical Data

Level and Sex : 10 ppm Male

Animals Killed on Schedule (104 Week)

Experimental No. 82014

Animal	GOT	GPT	LDH	G-GTP	ALP	Total Cholesterol	Tri-glyceride	Free Fatty Acid	(Day)
Number	(mIU/ml)	(mIU/ml)	(mIU/ml)	(mIU/ml)	(mIU/ml)	(mg/dl)	(mg/dl)	(μ Eq/l)	(Day)
102	51.	21.	336.	5.15	164.	142.	121.	421.	733
103	86.	39.	710.	4.37	162.	145.	146.	515.	733
104	68.	46.	789.	3.41	144.	249.	247.	851.	733
106	57.	26.	708.	9.17	167.	162.	218.	755.	733
107	52.	24.	537.	3.14	140.	152.	129.	1026.	733
108	51.	28.	497.	0.79	79.	211.	150.	720.	733
111	69.	30.	274.	2.97	127.	122.	117.	637.	733
113	46.	27.	538.	1.75	135.	203.	207.	621.	733
114	57.	28.	749.	1.57	138.	148.	124.	594.	733
116	55.	24.	588.	5.94	176.	133.	171.	559.	734
117	67.	31.	770.	4.19	175.	138.	158.	658.	734
120	48.	27.	160.	5.68	247.	166.	186.	541.	734
121	70.	28.	862.	0.96	139.	127.	147.	673.	734
122	63.	27.	540.	3.41	184.	151.	146.	675.	734
124	59.	29.	532.	3.67	138.	221.	208.	593.	734
127	57.	28.	571.	0.52	95.	195.	184.	545.	734
128	48.	23.	215.	6.29	177.	180.	200.	753.	734
129	67.	29.	676.	3.67	170.	129.	118.	608.	734
130	56.	24.	508.	3.93	157.	120.	127.	583.	735
131	63.	34.	516.	0.61	93.	346.	227.	657.	735

Mean	59.5	28.7	553.8	3.560	150.4	172.0	166.6	649.3	120
N	20	20	20	20	20	20	20	20	20
S.D.	9.76	5.70	192.39	2.2125	37.19	54.59	40.52	130.80	120

APPENDIX 7-1-M2 CONTINUED(1)

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Biochemical Data

Level and Sex : 10 ppm Male

Animals Killed on Schedule (104 Week)

Experimental No. 82014

Animal	Phospho- lipids	Glucose	Total Protein	Albumin	A/G	Urea Nitrogen	Calcium	Inorganic Phosphate	(Day)
Number	(mg/dl)	(mg/dl)	(g/dl)	(g/dl)		(mg/dl)	(mg/dl)	(mg/dl)	
102	196.	166.	6.08	3.07	1.02	15.	10.6	4.3	733
103	211.	185.	5.15	2.83	1.22	19.	9.6	4.6	733
104	345.	119.	6.62	3.75	1.31	17.	11.0	4.1	733
106	237.	140.	5.98	3.26	1.20	16.	10.6	4.1	733
107	216.	124.	5.59	3.20	1.34	15.	9.9	4.3	733
108	315.	107.	6.80	3.59	1.12	12.	10.2	4.1	733
111	186.	106.	5.98	3.26	1.20	13.	10.1	4.5	733
113	279.	131.	6.12	3.35	1.21	11.	10.5	4.3	733
114	208.	147.	6.10	3.29	1.17	12.	10.1	4.4	733
116	228.	152.	5.46	2.96	1.18	15.	9.9	4.0	734
117	202.	183.	5.34	3.19	1.48	19.	9.8	3.5	734
120	248.	179.	6.28	3.29	1.10	18.	11.5	4.3	734
121	181.	141.	5.55	2.53	0.84	14.	9.8	3.8	734
122	196.	139.	5.50	3.37	1.58	12.	10.0	4.9	734
124	290.	151.	5.93	3.28	1.24	22.	10.5	4.1	734
127	276.	106.	6.74	3.70	1.22	14.	10.7	4.1	734
128	250.	134.	6.04	3.09	1.05	15.	10.6	4.6	734
129	178.	148.	6.05	3.17	1.10	13.	10.1	4.5	734
130	181.	163.	5.89	3.12	1.13	13.	10.9	3.7	735
131	478.	83.	6.53	2.69	0.70	10.	10.9	4.5	735
Mean	245.1	140.2	5.987	3.200	1.171	14.8	10.37	4.24	
N	20	20	20	20	20	20	20	20	
S.D.	72.51	27.57	0.4617	0.3014	0.1929	3.04	0.492	0.334	

APPENDIX 7-1-M2 CONTINUED(2)

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Biochemical Data

Level and Sex : 10 ppm Male

Animals Killed on Schedule (104 Week)

Experimental No. 82014

Animal Number	Na (mEq/l)	K (mEq/l)	Cl (mEq/l)	(Day)
102	144.	3.9	102.	733
103	144.	4.0	104.	733
104	142.	4.3	99.	733
106	144.	4.5	103.	733
107	143.	4.3	104.	733
108	144.	3.4	102.	733
111	144.	4.0	102.	733
113	140.	4.0	99.	733
114	143.	4.4	101.	733
116	129.	3.6	94.	734
117	144.	3.8	103.	734
120	142.	4.0	102.	734
121	141.	4.0	105.	734
122	145.	4.2	103.	734
124	143.	4.3	100.	734
127	142.	3.8	101.	734
128	143.	3.9	102.	734
129	144.	4.0	103.	734
130	143.	3.8	100.	735
131	147.	4.0	99.	735

Mean	142.6	4.01	101.4	
N	20	20	20	
S.D.	3.52	0.269	2.46	

APPENDIX 7-1-M3

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Biochemical Data

Level and Sex : 100 ppm Male

Animals Killed on Schedule (104 Week)

Experimental No. 82014

Animal	GOT	GPT	LDH	G-GTP	ALP	Total Cholesterol	Tri- glyceride	Free Fatty	
Number	(mIU/ml)	(mIU/ml)	(mIU/ml)	(mIU/ml)	(mIU/ml)	(mg/dl)	(mg/dl)	(μ Eq/l)	(Day)
202	48.	18.	473.	3.06	133.	117.	149.	537.	733
205	263.	61.	327.	12.84	364.	116.	409.	895.	733
206	50.	29.	616.	0.96	83.	188.	176.	861.	733
207	54.	25.	541.	2.97	99.	141.	118.	821.	733
208	67.	24.	678.	3.23	163.	110.	138.	724.	733
209	64.	30.	704.	2.97	115.	123.	120.	606.	733
210	65.	17.	759.	5.33	171.	95.	112.	544.	733
211	67.	29.	536.	2.97	173.	172.	144.	555.	733
212	62.	37.	274.	4.63	189.	185.	228.	777.	734
213	64.	33.	547.	2.18	199.	145.	177.	631.	734
214	64.	25.	768.	2.01	138.	141.	126.	704.	734
215	55.	32.	545.	4.10	164.	166.	183.	757.	734
216	57.	24.	172.	1.75	170.	124.	138.	549.	734
217	106.	54.	238.	4.19	237.	147.	151.	798.	734
218	54.	21.	360.	11.27	161.	136.	131.	659.	734
219	99.	47.	710.	3.84	161.	146.	131.	529.	734
222	60.	33.	495.	7.25	172.	186.	189.	690.	734
224	63.	34.	409.	5.41	145.	174.	138.	704.	735
225	53.	41.	211.	0.79	69.	256.	101.	808.	735
226	56.	29.	238.	6.64	179.	130.	157.	571.	735
Mean	73.6	32.2	480.1	4.420	164.3	149.9	160.8	686.0	
N	20	20	20	20	20	20	20	20	
S.D.	46.89	11.38	192.91	3.1269	61.50	36.71	65.87	117.36	

APPENDIX 7-1-M3 CONTINUED(1)

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Biochemical Data

Level and Sex : 100 ppm Male

Animals Killed on Schedule (104 Week)

Experimental No. 82014

Animal Number	Phospho-lipids (mg/dl)	Glucose (mg/dl)	Total Protein (g/dl)	Albumin (g/dl)	A/G	Urea Nitrogen (mg/dl)	Calcium (mg/dl)	Inorganic Phosphate (mg/dl)	(Day)
202	170.	135.	5.96	3.49	1.41	15.	10.7	4.4	733
205	192.	114.	6.01	3.13	1.09	16.	10.6	4.9	733
206	282.	107.	6.03	3.41	1.30	17.	9.7	3.8	733
207	205.	106.	6.02	3.33	1.24	13.	10.2	4.0	733
208	177.	102.	6.14	3.27	1.14	13.	9.9	4.2	733
209	181.	123.	6.30	3.38	1.16	12.	10.6	4.3	733
210	143.	172.	6.27	3.17	1.02	15.	10.7	4.8	733
211	222.	142.	6.00	3.55	1.45	14.	10.3	4.2	733
212	259.	149.	6.59	3.38	1.05	16.	11.2	4.3	734
213	199.	140.	5.48	2.71	0.98	18.	9.8	4.2	734
214	202.	99.	6.77	3.55	1.10	13.	11.3	4.4	734
215	222.	151.	6.03	3.31	1.22	19.	10.9	4.8	734
216	174.	159.	6.05	3.35	1.24	16.	10.4	4.0	734
217	204.	140.	5.75	3.28	1.33	14.	9.8	3.9	734
218	186.	165.	5.62	3.05	1.19	12.	10.0	4.2	734
219	201.	148.	5.90	3.18	1.17	14.	10.0	4.3	734
222	275.	156.	5.97	3.14	1.11	16.	10.3	4.0	734
224	220.	137.	6.07	3.32	1.21	15.	10.4	3.9	735
225	359.	69.	6.90	3.66	1.13	10.	10.9	4.3	735
226	193.	147.	5.83	3.00	1.06	12.	9.8	4.1	735
Mean	213.3	133.1	6.085	3.283	1.180	14.5	10.38	4.25	
N	20	20	20	20	20	20	20	20	
S.D.	48.67	26.19	0.3494	0.2178	0.1243	2.24	0.481	0.303	

APPENDIX 7-1-M3 CONTINUED(2)

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Biochemical Data

Level and Sex : 100 ppm Male

Animals Killed on Schedule (104 Week)

Experimental No. 82014

Animal	Na	K	Cl	(Day)
Number	(mEq/l)	(mEq/l)	(mEq/l)	
202	144.	4.2	101.	733
205	144.	3.9	102.	733
206	143.	3.8	102.	733
207	145.	3.7	104.	733
208	143.	4.2	103.	733
209	138.	4.0	101.	733
210	142.	4.3	102.	733
211	144.	3.9	102.	733
212	142.	4.0	99.	734
213	142.	3.9	103.	734
214	141.	4.2	100.	734
215	142.	5.1	104.	734
216	142.	4.3	102.	734
217	143.	3.9	101.	734
218	144.	3.9	102.	734
219	140.	3.9	104.	734
222	138.	4.0	98.	734
224	142.	3.9	102.	735
225	144.	3.4	103.	735
226	141.	3.9	101.	735

Mean	142.2	4.02	101.8
N	20	20	20
S.D.	1.91	0.330	1.58

APPENDIX 7-1-M4

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Biochemical Data

Level and Sex : 1000 ppm Male

Animals Killed on Schedule (104 Week)

Experimental No. 82014

Animal	GOT	GPT	LDH	G-GTP	ALP	Total Cholesterol	Tri- glyceride	Free Fatty Acid	(Day)
Number	(mIU/ml)	(mIU/ml)	(mIU/ml)	(mIU/ml)	(mIU/ml)	(mg/dl)	(mg/dl)	(μ Eq/l)	(Day)
301	54.	24.	620.	1.57	132.	101.	164.	598.	733
302	52.	30.	451.	6.64	179.	160.	186.	816.	733
303	59.	21.	827.	2.10	123.	116.	227.	746.	733
304	52.	32.	550.	2.79	180.	144.	181.	651.	733
305	68.	18.	1123.	3.84	136.	106.	90.	578.	733
306	73.	24.	749.	3.49	158.	140.	135.	705.	733
308	54.	23.	653.	2.71	131.	119.	143.	708.	733
310	49.	25.	285.	1.48	129.	136.	112.	790.	733
313	55.	22.	405.	3.14	181.	119.	123.	469.	733
314	41.	15.	391.	1.31	122.	256.	347.	717.	734
315	60.	43.	398.	3.58	204.	192.	198.	824.	734
316	60.	22.	682.	4.19	145.	96.	133.	609.	734
317	81.	41.	618.	4.02	153.	134.	142.	583.	734
320	55.	24.	508.	1.48	150.	114.	104.	709.	734
326	51.	20.	430.	3.84	167.	126.	158.	664.	734
327	56.	23.	520.	2.44	190.	114.	177.	728.	734
328	61.	23.	594.	3.67	156.	115.	143.	602.	734
330	84.	48.	301.	16.59	274.	204.	146.	716.	734
331	59.	30.	592.	3.06	191.	179.	132.	707.	735
333	71.	34.	479.	6.20	150.	136.	142.	737.	735
Mean	59.8	27.1	558.8	3.907	162.6	140.4	159.2	682.9	
N	20	20	20	20	20	20	20	20	
S.D.	10.76	8.66	194.38	3.3040	35.82	40.07	55.05	88.85	

APPENDIX 7-1-M4 CONTINUED(1)

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Biochemical Data

Level and Sex : 1000 ppm Male

Animals Killed on Schedule (104 Week)

Experimental No. 82014

Animal	Phospho- lipids	Glucose	Total Protein	Albumin	A/G	Urea Nitrogen	Calcium	Inorganic Phosphate	(Day)
Number	(mg/dl)	(mg/dl)	(g/dl)	(g/dl)		(mg/dl)	(mg/dl)	(mg/dl)	(Day)
301	151.	157.	5.29	2.97	1.28	16.	9.9	4.4	733
302	206.	145.	6.08	3.14	1.07	15.	10.6	4.0	733
303	175.	128.	5.97	3.46	1.38	12.	10.2	3.5	733
304	217.	154.	6.08	3.30	1.19	14.	10.5	3.7	733
305	146.	128.	5.64	2.72	0.93	14.	9.9	4.5	733
306	195.	132.	5.87	3.14	1.15	15.	10.0	5.0	733
308	174.	130.	5.87	3.32	1.30	13.	10.3	4.4	733
310	199.	110.	6.67	3.60	1.17	14.	11.3	4.6	733
313	169.	128.	5.66	2.94	1.08	12.	9.9	4.3	733
314	342.	126.	5.40	2.63	0.95	21.	11.1	4.5	734
315	246.	141.	6.24	3.53	1.30	15.	10.5	4.0	734
316	177.	106.	5.99	3.19	1.14	13.	10.4	3.8	734
317	198.	160.	5.96	3.42	1.35	15.	10.2	4.1	734
320	159.	132.	6.04	3.38	1.27	12.	9.9	3.3	734
326	181.	146.	6.18	3.33	1.17	15.	10.7	4.7	734
327	171.	156.	6.10	3.38	1.24	12.	10.1	4.4	734
328	181.	145.	5.77	3.28	1.32	13.	10.1	5.0	734
330	274.	126.	6.41	3.34	1.09	12.	10.4	4.5	734
331	237.	129.	6.54	3.22	0.97	12.	10.1	4.0	735
333	190.	82.	5.95	3.16	1.13	15.	10.2	4.0	735

Mean	199.4	133.1	5.986	3.223	1.174	14.0	10.32	4.24	
N	20	20	20	20	20	20	20	20	
S.D.	46.41	18.99	0.3418	0.2505	0.1324	2.13	0.388	0.456	

APPENDIX 7-1-M4 CONTINUED(2)

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Biochemical Data

Level and Sex : 1000 ppm Male

Animals Killed on Schedule (104 Week)

Experimental No. 82014

Animal	Na	K	Cl	(Day)
Number	(mEq/l)	(mEq/l)	(mEq/l)	
301	145.	3.8	102.	733
302	141.	4.3	103.	733
303	145.	4.1	99.	733
304	145.	3.8	102.	733
305	144.	4.7	102.	733
306	140.	4.0	104.	733
308	144.	4.4	101.	733
310	143.	4.0	100.	733
313	140.	4.4	98.	733
314	143.	4.1	97.	733
315	142.	4.1	103.	734
316	144.	4.5	103.	734
317	143.	3.6	102.	734
320	142.	4.1	103.	734
326	139.	4.2	98.	734
327	138.	4.4	97.	734
328	140.	4.4	102.	734
330	138.	3.7	99.	734
331	144.	4.1	98.	735
333	141.	4.2	103.	735

Mean	142.1	4.15	100.8
N	20	20	20
S.D.	2.31	0.282	2.31

APPENDIX 7-1-F1

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Biochemical Data

Level and Sex : 0 ppm Female

Animals Killed on Schedule (104 Week)

Experimental No. 82014

Animal	GOT	GPT	LDH	G-GTP	ALP	Total Cholesterol	Tri-glyceride	Free Fatty Acid	(Day)
Number	(mIU/ml)	(mIU/ml)	(mIU/ml)	(mIU/ml)	(mIU/ml)	(mg/dl)	(mg/dl)	(μ Eq/l)	(Day)
1001	57.	37.	551.	1.88	182.	151.	254.	836.	740
1002	62.	24.	565.	2.47	183.	91.	186.	613.	740
1003	116.	84.	287.	2.84	219.	185.	223.	957.	740
1008	40.	29.	260.	0.95	107.	280.	680.	1319.	740
1009	63.	30.	360.	0.79	133.	137.	86.	927.	740
1010	61.	39.	176.	2.08	195.	152.	401.	1106.	740
1013	103.	60.	209.	1.51	135.	128.	136.	874.	740
1016	68.	43.	399.	2.11	176.	132.	188.	794.	740
1018	50.	30.	330.	1.07	104.	146.	185.	755.	740
1019	87.	53.	283.	1.87	181.	127.	121.	774.	741
1020	54.	39.	385.	1.41	140.	126.	271.	1198.	741
1021	59.	37.	356.	1.65	158.	149.	206.	1455.	741
1022	73.	47.	319.	1.56	156.	123.	123.	907.	741
1023	119.	58.	186.	3.25	186.	129.	129.	687.	741
1024	75.	45.	305.	1.98	195.	132.	147.	952.	741
1025	72.	38.	387.	0.97	112.	209.	152.	775.	741
1026	65.	35.	176.	1.59	169.	109.	185.	699.	741
1029	80.	51.	371.	0.15	158.	160.	181.	981.	741
1030	67.	43.	424.	2.71	198.	151.	159.	918.	742
1031	47.	12.	657.	0.68	91.	81.	617.	932.	742

Mean

N

S.D.

70.9

20

21.30

41.7

20

15.21

349.3

20

129.61

1.676

20

0.7838

158.9

20

35.99

144.9

20

42.74

231.5

20

158.22

923.0

20

212.21

APPENDIX 7-1-F1 CONTINUED(1)

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Biochemical Data

Level and Sex : 0 ppm Female

Animals Killed on Schedule (104 Week)

Experimental No. 82014

Animal Number	Phospho- lipids (mg/dl)	Glucose (mg/dl)	Total Protein (g/dl)	Albumin (g/dl)	A/G	Urea Nitrogen (mg/dl)	Calcium (mg/dl)	Inorganic Phosphate (mg/dl)	(Day)
1001	257.	153.	6.15	3.71	1.52	17.	11.0	3.6	740
1002	176.	126.	6.28	3.78	1.51	14.	10.9	4.8	740
1003	287.	160.	6.71	4.06	1.53	14.	11.3	3.1	740
1008	487.	115.	7.61	4.09	1.16	19.	12.8	2.6	740
1009	237.	110.	7.51	4.55	1.54	13.	11.4	2.9	740
1010	295.	236.	7.02	4.08	1.39	16.	12.7	5.2	740
1013	223.	142.	6.55	4.10	1.67	14.	10.5	3.4	740
1016	223.	148.	6.22	3.63	1.40	14.	10.6	4.5	740
1018	268.	157.	6.40	3.90	1.56	15.	10.5	3.6	740
1019	216.	152.	6.58	4.00	1.55	17.	10.7	3.2	741
1020	225.	148.	6.73	4.18	1.64	18.	11.4	3.3	741
1021	264.	167.	6.60	3.85	1.40	20.	10.2	2.2	741
1022	211.	181.	6.55	3.92	1.49	18.	11.3	3.0	741
1023	219.	174.	6.58	3.84	1.40	19.	10.6	3.2	741
1024	229.	157.	6.36	3.62	1.32	17.	10.5	3.6	741
1025	337.	108.	7.14	4.81	2.07	14.	11.2	4.4	741
1026	206.	157.	6.32	3.82	1.53	13.	10.6	4.4	741
1029	290.	140.	7.07	4.32	1.57	13.	11.1	3.2	741
1030	234.	143.	6.30	3.77	1.49	15.	10.7	3.7	742
1031	188.	122.	3.77	1.76	0.88	11.	9.0	4.5	742

Mean	253.6	149.8	6.523	3.890	1.481	15.6	10.95	3.62	
N	20	20	20	20	20	20	20	20	
S.D.	67.62	28.70	0.7669	0.5830	0.2243	2.46	0.817	0.780	

APPENDIX 7-1-F1 CONTINUED(2)

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Biochemical Data

Level and Sex : 0 ppm Female

Animals Killed on Schedule (104 Week)

Experimental No. 82014

Animal Number	Na (mEq/l)	K (mEq/l)	Cl (mEq/l)	(Day)
1001	144.	3.8	102.	740
1002	143.	3.7	103.	740
1003	143.	4.0	103.	740
1008	140.	3.8	99.	740
1009	145.	3.4	102.	740
1010	142.	7.3	99.	740
1013	141.	3.4	101.	740
1016	142.	3.8	103.	740
1018	142.	4.4	105.	741
1019	145.	3.6	102.	741
1020	144.	3.8	102.	741
1021	142.	4.0	103.	741
1022	145.	3.1	103.	741
1023	142.	3.9	102.	741
1024	141.	3.4	100.	741
1025	147.	3.7	100.	741
1026	144.	3.9	100.	741
1029	141.	3.7	100.	741
1030	142.	4.1	101.	741
1031	143.	4.5	102.	742
Mean	142.9	3.97	101.6	
N	20	20	20	
S.D.	1.74	0.852	1.57	

APPENDIX 7-1-F2

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Biochemical Data

Level and Sex : 10 ppm Female

Animals Killed on Schedule (104 Week)

Experimental No. 82014

Animal	GOT	GPT	LDH	G-GTP	ALP	Total Cholesterol	Tri-glyceride	Free Fatty Acid	(Day)
Number	(mIU/ml)	(mIU/ml)	(mIU/ml)	(mIU/ml)	(mIU/ml)	(mg/dl)	(mg/dl)	(μ Eq/l)	
1101	93.	45.	176.	1.17	110.	186.	85.	574.	740
1102	79.	57.	303.	2.85	170.	114.	203.	872.	740
1103	64.	43.	383.	1.77	153.	170.	378.	1158.	740
1104	56.	34.	293.	3.18	200.	118.	203.	1069.	740
1106	72.	55.	323.	1.54	169.	116.	148.	861.	740
1107	81.	32.	373.	0.80	127.	179.	278.	1146.	740
1108	52.	28.	238.	1.24	140.	175.	334.	1116.	740
1109	62.	22.	311.	0.59	146.	131.	140.	724.	740
1111	75.	50.	407.	1.49	148.	207.	420.	1298.	740
1113	129.	119.	491.	2.84	188.	137.	209.	1047.	741
1114	86.	53.	426.	1.77	150.	104.	212.	596.	741
1115	55.	38.	90.	1.36	147.	110.	236.	738.	741
1116	52.	38.	434.	1.39	118.	142.	340.	950.	741
1117	60.	33.	248.	1.23	155.	139.	232.	940.	741
1118	77.	46.	321.	1.59	147.	133.	128.	1026.	741
1123	110.	56.	669.	2.11	178.	120.	192.	839.	741
1125	55.	39.	209.	1.07	104.	164.	152.	828.	741
1126	85.	35.	268.	1.85	450.	185.	331.	1054.	741
1128	52.	31.	283.	1.03	162.	131.	125.	524.	742
1131	89.	58.	381.	1.59	143.	166.	197.	1314.	742

Mean	74.2	45.6	331.4	1.623	165.3	146.4	227.2	933.7
N	20	20	20	20	20	20	20	20
S.D.	20.77	20.23	124.35	0.6806	71.26	30.16	92.17	227.48

1338

APPENDIX 7-1-F2 CONTINUED(1)

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Biochemical Data

Level and Sex : 10 ppm Female

Animals Killed on Schedule (104 Week)

Experimental No. 82014

Animal	Phospho- lipids	Glucose	Total Protein	Albumin	A/G	Urea Nitrogen	Calcium	Inorganic Phosphate	(Day)
Number	(mg/dl)	(mg/dl)	(g/dl)	(g/dl)		(mg/dl)	(mg/dl)	(mg/dl)	
1101	291.	129.	8.32	5.03	1.53	15.	13.5	4.6	740
1102	203.	156.	6.12	3.83	1.67	14.	10.4	4.0	740
1103	273.	142.	7.29	4.64	1.75	16.	11.7	3.3	740
1104	218.	144.	6.33	3.77	1.47	14.	11.0	3.5	740
1106	207.	157.	6.02	3.59	1.48	15.	9.9	3.8	740
1107	324.	125.	7.38	4.54	1.60	14.	12.2	4.5	740
1108	300.	124.	6.65	3.98	1.49	11.	11.3	3.7	740
1109	221.	134.	5.00	3.52	2.38	19.	10.4	4.8	740
1111	377.	157.	7.27	4.51	1.63	16.	11.8	4.2	740
1113	231.	152.	6.54	4.01	1.58	15.	10.7	3.5	741
1114	198.	154.	7.09	4.30	1.54	15.	11.8	4.0	741
1115	202.	155.	6.32	3.75	1.46	16.	11.3	4.0	741
1116	277.	146.	7.23	4.52	1.67	15.	11.8	2.9	741
1117	245.	139.	7.00	4.23	1.53	12.	11.6	3.3	741
1118	233.	121.	7.45	4.92	1.95	11.	11.5	3.9	741
1123	224.	141.	6.35	3.85	1.54	15.	10.5	3.9	741
1125	286.	116.	7.52	4.57	1.55	13.	11.2	3.5	741
1126	304.	143.	7.49	5.06	2.08	15.	12.8	4.6	741
1128	208.	153.	6.20	3.69	1.47	14.	11.0	3.9	742
1131	263.	139.	6.36	3.77	1.46	12.	10.5	2.9	742

Mean

N

S.D.

254.3

20

48.73

141.4

20

12.93

6.797

20

0.7413

4.204

20

0.4927

1.642

20

0.2384

14.4

20

1.90

11.35

20

0.868

3.84

20

0.535

APPENDIX 7-1-F2 CONTINUED(2)

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Biochemical Data

Level and Sex : 10 ppm Female

Animals Killed on Schedule (104 Week) Experimental No. 82014

Animal Number	Na (mEq/l)	K (mEq/l)	Cl (mEq/l)	(Day)
1101	142.	5.6	93.	740
1102	143.	3.8	103.	740
1103	143.	3.7	98.	740
1104	141.	3.8	102.	740
1106	143.	3.8	101.	740
1107	140.	3.6	99.	740
1108	142.	3.5	99.	740
1109	142.	3.8	99.	740
1111	143.	4.3	97.	740
1113	143.	3.9	100.	741
1114	144.	3.9	95.	741
1115	144.	3.4	101.	741
1116	141.	3.6	98.	741
1117	140.	3.9	100.	741
1118	145.	3.4	98.	741
1123	145.	4.0	102.	741
1125	144.	3.7	99.	741
1126	143.	3.3	97.	741
1128	144.	4.1	102.	742
1131	142.	3.6	102.	742

Mean 142.7 3.84 99.3
N 20 20
S.D. 1.45 0.483 2.55

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY OF METHANOL IN F344 RATS

Level and Sex : 100 ppm Female

Animals Killed on Schedule (104 Week)

Experimental No. 82014

Animal	GOT	GPT	LDH	G-GTP	ALP	Total Cholesterol (mg/dl)	Tri- glyceride (mg/dl)	Free Fatty Acid (μ Eq/l)	(Day)
1201	80.	55.	201.	2.03	173.	121.	182.	518.	740
1203	51.	30.	330.	1.61	187.	127.	230.	732.	740
1205	53.	33.	299.	1.31	175.	123.	239.	928.	740
1206	82.	60.	422.	3.03	203.	118.	165.	791.	740
1208	64.	45.	377.	1.43	136.	115.	163.	756.	740
1210	64.	32.	461.	1.17	144.	128.	182.	985.	740
1211	53.	34.	379.	0.90	106.	193.	319.	741.	740
1213	66.	56.	602.	2.31	216.	117.	137.	776.	740
1214	95.	50.	430.	1.57	167.	167.	231.	850.	740
1216	62.	38.	397.	2.60	181.	130.	110.	819.	741
1217	132.	79.	323.	1.68	285.	153.	268.	1499.	741
1219	123.	69.	340.	1.16	145.	133.	177.	886.	741
1220	65.	51.	252.	2.01	225.	120.	178.	699.	741
1222	134.	48.	213.	3.18	161.	119.	117.	766.	741
1228	134.	66.	323.	3.14	202.	114.	144.	879.	741
1229	81.	25.	141.	1.02	103.	186.	200.	946.	741
1231	61.	45.	233.	3.26	212.	180.	221.	967.	741
1232	68.	45.	227.	1.21	128.	157.	200.	1008.	741
1234	53.	36.	379.	1.07	146.	137.	315.	1216.	742
1237	75.	50.	479.	0.30	167.	111.	174.	725.	742

Mean	79.8	47.4	340.4	1.800	173.1	137.5	197.6	874.4
N	20	20	20	20	20	20	20	20
S.D.	28.50	14.13	111.09	0.8638	43.51	25.85	57.47	207.48

APPENDIX 7-1-F3 CONTINUED(1)

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Biochemical Data

Level and Sex : 100 ppm Female

Animals Killed on Schedule (104 Week)

Experimental No. 82014

Animal	Phospho- lipids	Glucose	Total Protein	Albumin	A/G	Urea Nitrogen	Calcium	Inorganic Phosphate	(Day)
Number	(mg/dl)	(mg/dl)	(g/dl)	(g/dl)		(mg/dl)	(mg/dl)	(mg/dl)	
1201	212.	160.	5.98	3.69	1.61	20.	10.7	4.2	740
1203	224.	136.	6.56	4.17	1.74	17.	10.8	4.0	740
1205	240.	160.	6.03	3.64	1.52	17.	10.5	4.1	740
1206	209.	147.	6.19	3.86	1.66	15.	10.4	2.3	740
1208	206.	169.	6.35	3.98	1.68	14.	10.4	3.5	740
1210	239.	150.	6.04	3.79	1.69	14.	10.2	5.2	740
1211	315.	110.	6.53	4.13	1.72	13.	10.8	4.0	740
1213	205.	147.	6.34	3.93	1.63	10.	11.1	4.4	740
1214	287.	209.	6.00	3.93	1.90	14.	10.4	4.9	740
1216	215.	145.	6.34	3.77	1.47	15.	10.8	3.5	741
1217	261.	121.	6.92	3.62	1.10	18.	10.7	3.2	741
1219	234.	165.	7.04	4.44	1.71	17.	11.3	1.8	741
1220	227.	155.	6.24	3.74	1.50	17.	10.3	2.9	741
1222	224.	140.	6.02	3.66	1.55	17.	10.6	4.3	741
1228	196.	166.	6.53	3.82	1.41	15.	11.1	4.5	741
1229	318.	121.	6.27	3.46	1.23	13.	11.2	4.7	741
1231	316.	146.	6.84	3.94	1.36	13.	10.8	3.2	741
1232	277.	116.	7.24	4.17	1.36	13.	11.5	4.1	741
1234	252.	176.	5.91	3.62	1.58	15.	10.6	3.6	742
1237	194.	143.	5.81	3.40	1.41	13.	10.3	4.2	742
<hr/>									
Mean	242.6	149.1	6.359	3.838	1.542	15.0	10.73	3.83	
N	20	20	20	20	20	20	20	20	
S.D.	40.42	23.00	0.3998	0.2571	0.1916	2.32	0.363	0.847	

APPENDIX 7-1-F3 CONTINUED(2)

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Biochemical Data

Level and Sex : 100 ppm Female

Animals Killed on Schedule (104 Week)

Experimental No. 82014

Animal Number	Na (mEq/l)	K (mEq/l)	Cl (mEq/l)	(Day)
1201	144.	3.4	101.	740
1203	143.	3.7	98.	740
1205	143.	3.3	101.	740
1206	143.	3.5	103.	740
1208	143.	3.4	102.	740
1210	146.	3.6	102.	740
1211	142.	3.7	100.	740
1213	141.	3.1	97.	740
1214	142.	3.3	98.	740
1216	145.	4.1	102.	741
1217	141.	3.8	103.	741
1219	143.	3.6	103.	741
1220	143.	3.7	106.	741
1222	141.	4.0	100.	741
1228	141.	3.7	102.	741
1229	143.	3.3	97.	741
1231	142.	3.6	98.	741
1232	142.	3.2	100.	741
1234	144.	3.4	101.	741
1237	143.	3.8	107.	742

Mean	142.8	3.56	101.1
N	20	20	20
S.D.	1.33	0.262	2.70

APPENDIX 7-1-F4

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Biochemical Data

Level and Sex : 1000 ppm Female

Animals Killed on Schedule (104 Week)

Experimental No. 82014

Animal	GOT	GPT	LDH	G-GTP	ALP	Total Cholesterol	Tri- glyceride	Free Fatty Acid	(Day)
Number	(mIU/ml)	(mIU/ml)	(mIU/ml)	(mIU/ml)	(mIU/ml)	(mg/dl)	(mg/dl)	(μ Eq/l)	(Day)
1301	64.	50.	590.	1.78	166.	131.	234.	761.	740
1303	55.	35.	336.	1.43	161.	127.	191.	628.	740
1304	52.	38.	426.	1.66	184.	113.	176.	865.	740
1306	56.	39.	416.	0.90	136.	141.	274.	865.	740
1307	73.	35.	160.	1.19	135.	106.	84.	522.	740
1310	72.	39.	356.	1.61	131.	146.	322.	1101.	740
1313	61.	33.	184.	1.17	124.	112.	219.	858.	740
1314	203.	91.	141.	7.62	253.	194.	157.	537.	740
1316	71.	39.	262.	1.57	206.	108.	112.	651.	740
1317	66.	39.	201.	1.97	193.	113.	135.	1061.	741
1320	68.	49.	262.	1.85	186.	103.	146.	975.	741
1321	73.	47.	590.	1.71	148.	121.	200.	808.	741
1322	122.	84.	242.	3.99	197.	165.	145.	688.	741
1323	65.	42.	381.	2.30	179.	117.	196.	670.	741
1324	132.	63.	283.	3.37	183.	95.	136.	652.	741
1326	125.	60.	184.	1.96	257.	114.	133.	761.	741
1327	63.	39.	358.	1.24	114.	135.	145.	696.	741
1330	61.	33.	426.	1.44	135.	126.	147.	808.	741
1331	53.	34.	170.	0.98	152.	199.	195.	896.	742
1332	68.	47.	311.	1.39	129.	138.	215.	744.	742

Mean

80.2

20

46.8

314.0

2.057

168.5

130.2

178.1

777.4

N

20

20

16.25

131.60

1.5086

40.15

28.09

56.59

156.75

S.D.

37.38

20

16.25

131.60

1.5086

40.15

28.09

56.59

156.75

144

APPENDIX 7-1-F4 CONTINUED(1)

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Biochemical Data

Level and Sex : 1000 ppm Female

Animals Killed on Schedule (104 Week)

Experimental No. 82014

Animal	Phospho- lipids	Glucose	Total Protein	Albumin	A/G	Urea Nitrogen	Calcium	Inorganic Phosphate	(Day)
Number	(mg/dl)	(mg/dl)	(g/dl)	(g/dl)		(mg/dl)	(mg/dl)	(mg/dl)	
1301	234.	145.	6.12	3.96	1.83	16.	11.0	3.8	740
1303	201.	148.	6.23	3.93	1.71	16.	10.7	4.0	740
1304	207.	162.	6.12	3.81	1.65	15.	10.4	3.5	740
1306	265.	147.	7.14	4.54	1.75	15.	12.6	4.3	740
1307	176.	184.	6.30	3.93	1.66	10.	11.1	4.7	740
1310	267.	155.	6.79	4.28	1.70	15.	11.3	4.6	740
1313	219.	135.	7.03	4.49	1.77	11.	11.8	4.6	740
1314	292.	135.	6.16	3.39	1.22	16.	11.4	5.0	740
1316	208.	171.	6.26	3.78	1.52	17.	10.5	3.7	740
1317	182.	153.	6.00	3.51	1.41	16.	10.4	4.2	741
1320	192.	138.	7.02	4.20	1.49	15.	12.0	3.7	741
1321	227.	151.	5.77	3.52	1.56	15.	9.5	4.3	741
1322	285.	143.	6.96	4.01	1.36	14.	11.3	3.5	741
1323	227.	149.	6.27	3.93	1.68	15.	10.6	4.8	741
1324	170.	153.	6.95	4.11	1.45	15.	11.7	4.3	741
1326	190.	146.	7.65	4.80	1.68	15.	13.2	5.9	741
1327	236.	154.	6.22	3.98	1.78	15.	11.0	4.6	741
1330	228.	150.	6.82	4.32	1.73	13.	11.5	5.1	741
1331	323.	108.	7.40	4.24	1.34	11.	11.7	4.2	742
1332	236.	77.	6.85	4.05	1.45	17.	10.8	3.8	742
Mean	228.3	145.2	6.603	4.039	1.587	14.6	11.23	4.33	
N	20	20	20	20	20	20	20	20	
S.D.	41.04	21.92	0.5178	0.3538	0.1720	1.93	0.831	0.605	

APPENDIX 7-1-F4 CONTINUED(2)

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Biochemical Data

Level and Sex : 1000 ppm Female

Animals Killed on Schedule (104 Week)

Experimental No. 82014

Animal	Na	K	Cl		(Day)
Number	(mEq/l)	(mEq/l)	(mEq/l)		
1301	0.	0.	99.		740
1303	143.	3.7	105.		740
1304	143.	3.5	101.		740
1306	143.	3.3	99.		740
1307	143.	2.8	101.		740
1310	141.	3.8	100.		740
1313	142.	4.0	103.		740
1314	138.	3.8	98.		740
1316	144.	3.7	103.		740
1317	143.	3.6	104.		740
1320	143.	3.6	101.		740
1321	141.	3.3	102.		741
1322	142.	3.6	100.		741
1323	138.	3.9	100.		741
1324	142.	3.3	103.		741
1326	140.	3.4	99.		741
1327	144.	3.6	101.		741
1330	144.	3.8	104.		741
1331	147.	2.7	99.		742
1332	143.	3.6	102.		742

Mean	142.4	3.53	101.2
N	19	19	20
S.D.	2.059	0.338	1.99

APPENDIX 7-2-MI

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Biochemical Data

Level and Sex : 0 ppm Male

Animals Killed in Extremis

Experimental No. 82014

Animal	GOT	GPT	LDH	G-GTP	ALP	Total Cholesterol	Tri-glyceride	Free Fatty Acid	
Number	(mIU/ml)	(mIU/ml)	(mIU/ml)	(mIU/ml)	(mIU/ml)	(mg/dl)	(mg/dl)	(μ Eq/l)	(Day)
7	78.	38.	882.	1.33	77.	188.	84.	759.	721
8	2797.	574.	9806.	164.0	1432.	287.	804.	1746.	687
10	93.	17.	270.	2.98	167.	72.	124.	590.	608
13	81.	33.	463.	2.11	273.	113.	147.	539.	714
16	623.	234.	459.	9.64	226.	137.	636.	1088.	435
22	89.	28.	706.	0.92	57.	189.	105.	514.	670
24	52.	19.	430.	0.99	101.	154.	93.	711.	673
27	83.	28.	416.	9.49	201.	128.	92.	648.	623
29	108.	53.	1039.	W	W	W	99.	W	356
34	708.	207.	5944.	28.32	277.	175.	629.	709.	686
43	88.	16.	729.	1.91	199.	108.	94.	483.	701
49	90.	60.	830.	1.40	124.	134.	163.	546.	729
50	107.	30.	2045.	1.44	53.	87.	71.	671.	706
52	210.	113.	1005.	W	W	W	134.	W	347

W : Not measured because of shortage of serum.

APPENDIX 7-2-MI CONTINUED(1)

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Biochemical Data

Level and Sex : 0 ppm Male

Animals Killed in Extremis

Experimental No. 82014

Animal	Phospho- lipids	Glucose	Total Protein	Albumin	A/G	Urea Nitrogen	Calcium	Inorganic Phosphate	
Number	(mg/dl)	(mg/dl)	(g/dl)	(g/dl)		(mg/dl)	(mg/dl)	(mg/dl)	(Day)
7	252.	108.	6.52	3.35	1.06	16.	11.1	4.7	721
8	366.	110.	5.07	2.62	1.07	17.	10.3	4.5	687
10	102.	191.	5.17	2.00	0.63	12.	9.8	4.7	608
13	176.	155.	4.58	W	W	19.	9.8	5.0	714
16	288.	131.	8.43	4.56	1.18	16.	16.9	7.6	435
22	240.	119.	5.70	3.12	1.21	15.	10.1	5.3	670
24	194.	123.	5.72	2.80	0.96	12.	9.9	4.9	673
27	154.	140.	3.70	2.25	1.55	19.	7.4	4.7	623
29	57.	148.	5.55	3.24	1.40	13.	11.1	5.8	356
34	470.	128.	5.46	2.25	0.70	29.	9.2	6.1	686
43	142.	143.	5.45	2.92	1.15	17.	10.8	5.6	701
49	208.	135.	5.55	2.94	1.13	13.	11.5	5.3	729
50	111.	103.	5.16	2.42	0.88	12.	9.7	5.2	706
52	100.	184.	6.08	3.62	1.47	15.	11.1	5.4	347

W : Not measured because of shortage of serum.

APPENDIX 7-2-M1 CONTINUED(2)

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Biochemical Data

Level and Sex : 0 ppm Male

Animals Killed in Extremis

Experimental No. 82014

Animal Number	Na (mEq/l)	K (mEq/l)	Cl (mEq/l)	(Day)
7	148.	3.9	105.	721
8	142.	4.7	103.	687
10	144.	4.2	100.	608
13	W	W	W	714
16	138.	6.1	97.	435
22	148.	4.3	103.	670
24	147.	4.2	96.	673
27	148.	4.5	105.	623
29	145.	4.3	104.	356
34	147.	5.2	103.	686
43	144.	3.8	97.	701
49	141.	4.1	101.	729
50	144.	4.8	104.	706
52	148.	4.8	100.	347

W : Not measured because of shortage of serum.

APPENDIX 7-2-M2

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Biochemical Data

Level and Sex : 10 ppm Male

Animals Killed in Extremis

Experimental No. 82014

Animal	GOT	GPT	LDH	G-GTP	ALP	Total Cholesterol	Tri-glyceride	Free Fatty Acid	
Number	(mIU/ml)	(mIU/ml)	(mIU/ml)	(mIU/ml)	(mIU/ml)	(mg/dl)	(mg/dl)	(μ Eq/l)	(Day)
101	57.	12.	180.	1.14	184.	179.	136.	768.	712
105	100.	38.	414.	1.38	49.	169.	60.	608.	665
109	93.	30.	710.	10.23	471.	88.	150.	573.	579
110	64.	24.	373.	2.37	652.	96.	344.	971.	721
112	75.	4.	864.	0.29	73.	137.	533.	688.	537
115	393.	103.	1046.	13.66	198.	212.	824.	925.	711
118	250.	6.	377.	0.49	56.	65.	115.	392.	519
119	91.	41.	211.	W	45.	393.	160.	643.	697
123	77.	34.	700.		72.	267.	70.	620.	715
125	67.	9.	690.	0.85	92.	114.	83.	602.	644
126	107.	80.	94.	1.21	68.	26.	109.	444.	636
133	1085.	192.	776.	17.68	208.	202.	847.	1224.	613
135	96.	17.	123.	15.39	592.	65.	547.	1230.	666
139	1006.	288.	1220.	13.66	373.	240.	651.	2235.	396
150	1548.	370.	737.	7.56	192.	227.	347.	1040.	690

W : Not measured because of shortage of serum.

APPENDIX 7-2-M2 CONTINUED(1)

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Biochemical Data

Level and Sex : 10 ppm Male

Animals Killed in Extremis

Experimental No. 82014

Animal Number	Phospho- lipids (mg/dl)	Glucose (mg/dl)	Total Protein (g/dl)	Albumin (g/dl)	A/G	Urea Nitrogen (mg/dl)	Calcium (mg/dl)	Inorganic Phosphate (mg/dl)	(Day)
101	190.	130.	4.20	2.74	1.88	18.	10.1	4.9	712
105	257.	145.	6.56	3.73	1.32	12.	10.6	4.2	665
109	173.	199.	3.52	1.14	0.48	14.	6.3	3.3	579
110	157.	110.	4.49	1.68	0.60	16.	9.9	5.6	721
112	196.	121.	5.74	2.65	0.86	30.	15.0	5.2	537
115	353.	119.	4.97	2.37	0.91	42.	10.5	6.1	711
118	128.	251.	2.96	1.79	1.53	41.	6.7	4.6	519
119	459.	151.	7.30	3.61	0.98	W	12.2	15.9	697
123	356.	100.	6.56	3.36	1.05		11.0	5.4	715
125	201.	121.	8.61	3.57	0.71	15.	16.5	12.9	644
126	54.	135.	3.46	1.66	0.92	67.	7.9	5.3	636
133	438.	24.	6.04	3.22	1.14	16.	11.5	4.9	613
135	159.	96.	5.32	2.48	0.87	60.	12.5	5.8	666
139	446.	88.	6.99	4.18	1.49	33.	15.5	6.6	396
150	519.	107.	5.79	2.61	0.82	63.	9.6	2.9	690

W : Not measured because of shortage of serum.

APPENDIX 7-2-M2 CONTINUED(2)

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Biochemical Data

Level and Sex : 10 ppm Male

Animals Killed in Extremis

Experimental No. 82014

Animal Number	Na (mEq/l)	K (mEq/l)	Cl (mEq/l)	(Day)
101	146.	4.9	101.	712
105	147.	3.8	98.	665
109	148.	3.7	102.	579
110	146.	5.2	104.	721
112	149.	5.1	109.	537
115	147.	3.6	108.	711
118	147.	5.1	98.	519
119	172.	4.7	117.	697
123	146.	3.8	100.	715
125	144.	4.6	103.	644
126	148.	3.7	101.	636
133	148.	4.6	104.	613
135	149.	2.7	106.	666
139	154.	4.5	114.	396
150	143.	3.2	97.	690

APPENDIX 7-2-M3

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Biochemical Data

Level and Sex : 100 ppm Male

Animals Killed in Extremis

Experimental No. 82014

Animal Number	GOT (mIU/ml)	GPT (mIU/ml)	LDH (mIU/ml)	G-GTP (mIU/ml)	ALP (mIU/ml)	Total Cholesterol (mg/dl)	Tri-glyceride (mg/dl)	Free Fatty Acid (μ Eg/l)	(Day)
204	77.	32.	373.	3.24	175.	126.	165.	799.	631
223	61.	4.	127.	0.18	66.	46.	W 165.	274.	463
244	282.	37.	2160.	3.32	126.	75.	183.	540.	694
245	35.	13.	133.	0.85	78.	128.	273.	362.	671
247	25.	4.	70.	1.12	21.	32.	53.	336.	540

W : Not measured because of shortage of serum.

APPENDIX 7-2-M3 CONTINUED(1)

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Biochemical Data

Level and Sex : 100 ppm Male

Animals Killed in Extremis

Experimental No. 82014

Animal Number	Phospho- lipids (mg/dl)	Glucose (mg/dl)	Total Protein (g/dl)	Albumin (g/dl)	A/G	Urea Nitrogen (mg/dl)	Calcium (mg/dl)	Inorganic Phosphate (mg/dl)	(Day)
204	185.	128.	4.22	2.43	1.36	17.	9.6	6.3	631
223	105.	W	4.11	1.17	0.40	W	9.3	4.5	463
244	136.	143.	5.76	2.65	0.85	15.	10.7	6.1	694
245	209.	143.	6.47	3.34	1.07	82.	15.2	9.6	671
247	130.	168.	1.12	0.49	0.78	19.	2.1	1.1	540

W : Not measured because of shortage of serum.

APPENDIX 7-2-M3 CONTINUED(2)

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Biochemical Data

Level and Sex : 100 ppm Male

Animals Killed in Extremis

Experimental No. 82014

Animal Number	Na (mEq/l)	K (mEq/l)	Cl (mEq/l)	(Day)
204	147.	5.6	105.	631
223	150.	3.6	106.	463
244	143.	4.1	102.	694
245	147.	4.3	100.	671
247	158.	3.9	119.	540

APPENDIX 7-2-M4

CHRONIC AND CARCINOGENIC INHALATION, TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Biochemical Data

Level and Sex : 1000 ppm Male

Animals Killed in Extremis

Experimental No. 82014

Animal	GOT	GPT	LDH	G-GTP	ALP	Total Cholesterol	Tri-glyceride	Free Fatty Acid	(Day)
Number	(mIU/ml)	(mIU/ml)	(mIU/ml)	(mIU/ml)	(mIU/ml)	(mg/dl)	(mg/dl)	(μ Eq/l)	
307	W	460.	W	39.85	327.	230.	602.	2113.	690
309	79.	62.	176.	1.19	40.	79.	102.	625.	574
311	102.	12.	20.	28.06	289.	75.	266.	911.	720
312	170.	92.	250.	7.95	204.	91.	78.	622.	559
318	112.	16.	1462.	11.02	72.	221.	1418.	1104.	610
321	94.	38.	608.	1.34	56.	282.	108.	739.	711
322	1416.	198.	1691.	59.99	330.	133.	752.	1421.	588
323	123.	12.	1331.	3.03	60.	126.	56.	506.	687
325	619.	383.	1384.	27.10	273.	198.	646.	1222.	694
329	516.	194.	428.	W	565.	102.	314.	999.	713
332	536.	305.	3750.	22.82	207.	177.	587.	1022.	659
339	203.	181.	526.	W	75.	84.	78.	667.	712
349	415.	50.	539.	8.65	287.	91.	245.	869.	729

W : Not measured because of shortage of serum.

APPENDIX 7-2-M4 CONTINUED(1)

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Biochemical Data

Level and Sex : 1000 ppm Male

Animals Killed in Extremis

Experimental No. 82014

Animal Number	Phospho- lipids (mg/dl)	Glucose (mg/dl)	Total Protein (g/dl)	Albumin (g/dl)	A/G	Urea Nitrogen (mg/dl)	Calcium (mg/dl)	Inorganic Phosphate (mg/dl)	(Day)
307	554.	4.	6.93	3.34	0.93	74.	11.8	16.4	690
309	419.	142.	5.64	2.86	1.03	16.	10.0	4.6	574
311	185.	113.	2.60	1.04	0.67	127.	8.9	6.0	720
312	140.	174.	5.98	2.15	0.56	17.	10.1	5.9	559
318	284.	137.	8.58	4.61	1.16	24.	15.5	6.4	610
321	384.	120.	7.17	3.66	1.04	12.	11.1	4.9	711
322	372.	92.	3.28	1.24	0.61	61.	8.4	3.9	588
323	160.	98.	6.04	2.09	0.53	24.	10.4	4.5	687
325	369.	117.	5.95	3.02	1.03	26.	11.4	4.5	694
329	277.	92.	5.03	1.36	0.37	22.	10.4	5.1	713
332	579.	134.	5.20	2.69	1.07	27.	9.1	4.5	659
339	125.	88.	5.91	2.75	0.87	19.	10.2	4.8	712
349	177.	121.	5.17	2.09	0.68	32.	10.9	5.3	729

APPENDIX 7-2-M4 CONTINUED(2)

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Biochemical Data

Level and Sex : 1000 ppm Male

Animals Killed in Extremis

Experimental No. 82014

Animal Number	Na (mEq/l)	K (mEq/l)	Cl (mEq/l)	(Day)
307	145.	11.1	105.	690
309	144.	3.7	101.	574
311	141.	4.5	102.	720
312	147.	12.3	96.	559
318	134.	5.5	98.	610
321	146.	3.5	98.	711
322	145.	5.8	102.	588
323	147.	4.0	105.	687
325	145.	5.1	108.	694
329	149.	4.4	102.	713
332	146.	4.2	109.	659
339	156.	3.9	111.	712
349	143.	4.5	102.	729

APPENDIX 7-2-F1

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Biochemical Data

Level and Sex : 0 ppm Female

Animals Killed in Extremis

Experimental No. 82014

Animal	GOT	GPT	LDH	G-GTP	ALP	Total Cholesterol	Tri-glyceride	Free Fatty Acid	(Day)
Number	(mIU/ml)	(mIU/ml)	(mIU/ml)	(mIU/ml)	(mIU/ml)	(mg/dl)	(mg/dl)	(μ Eq/l)	(Day)
1004	88.	28.	784.	1.32	37.	244.	57.	761.	616
1005	98.	26.	620.	0.90	37.	141.	71.	1096.	691
1006	270.	126.	725.	3.08	43.	173.	64.	832.	616
1007	79.	13.	289.	W	71.	112.	57.	1065.	596
1014	93.	38.	489.	2.22	113.	118.	80.	1057.	651
1015	64.	22.	172.	0.65	46.	88.	76.	1390.	547
1027	86.	36.	250.	0.94	68.	106.	216.	766.	645
1028	349.	101.	405.	3.78	252.	178.	54.	1021.	687
1033	557.	102.	798.	4.97	239.	162.	246.	990.	715
1036	176.	195.	540.	2.00	52.	100.	99.	988.	694
1037	W	W	W	W	229.	97.	240.	938.	721
1043	1354.	226.	4672.	31.57	672.	96.	232.	1360.	708
1045	67.	W	207.	W	80.	158.	W	974.	572
1049	498.	135.	514.	W	324.	69.	130.	351.	686
1050	605.	159.	W	W	139.	84.	246.	1111.	499
1051	676.	197.	1901.	5.76	258.	188.	292.	794.	733

W : Not measured because of shortage of serum.

APPENDIX 7-2-F1 CONTINUED(1)
CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Biochemical Data

Level and Sex : 0 ppm Female

Animals Killed in Extremis

Experimental No. 82014

Animal	Phospho- lipids	Glucose	Total Protein	Albumin	A/G	Urea Nitrogen	Calcium	Inorganic Phosphate	(Day)
Number	(mq/dl)	(mq/dl)	(q/dl)	(q/dl)		(mg/dl)	(mg/dl)	(mg/dl)	
1004	335.	86.	7.35	3.54	0.93	18.	11.4	5.7	616
1005	226.	87.	6.96	3.96	1.32	16.	10.5	4.6	691
1006	265.	145.	8.80	4.74	1.17	18.	13.2	5.6	616
1007	191.	30.	7.54	4.03	1.15	17.	11.0	4.1	596
1014	176.	206.	7.11	3.52	0.98	28.	11.2	4.6	651
1015	168.	133.	7.66	4.47	1.40	8.	11.6	5.0	547
1027	155.	123.	7.87	4.24	1.17	17.	12.4	4.2	645
1028	281.	113.	6.80	3.55	1.09	10.	11.8	5.6	687
1033	239.	124.	6.59	3.48	1.12	17.	11.4	6.1	715
1036	165.	125.	6.13	2.90	0.90	11.	10.3	4.2	694
1037	168.	147.	5.36	W	W	28.	10.7	11.0	721
1043	167.	77.	5.04	2.08	0.70	17.	9.7	6.4	708
1045	303.	100.	9.40	4.88	1.08	W	19.3	15.9	572
1049	130.	101.	5.03	W	W	31.	10.0	6.7	686
1050	202.	132.	7.43	4.04	1.19	18.	13.1	5.1	499
1051	306.	124.	5.68	3.00	1.12	20.	10.4	5.4	733

W : Not measured because of shortage of serum.

APPENDIX 7-2-F1 CONTINUED(2)
 CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
 OF METHANOL IN F344 RATS

Individual Biochemical Data

Level and Sex : 0 ppm Female

Animals Killed in Extremis

Experimental No. 82014

Animal	Na	K	Cl		(Day)
Number	(mEq/l)	(mEq/l)	(mEq/l)		
1004	143.	3.2	95.		616
1005	145.	3.7	96.		691
1006	144.	3.6	98.		616
1007	143.	3.7	103.		596
1014	139.	3.8	97.		651
1015	139.	3.9	94.		547
1027	141.	3.8	102.		645
1028	142.	4.3	102.		687
1033	138.	5.2	102.		715
1036	W	W	94.		694
1037	W	W	88.		721
1043	146.	4.7	101.		708
1045	W	W	93.		572
1049	W	W	99.		686
1050	141.	4.0	105.		499
1051	144.	4.3	106.		733

W : Not measured because of shortage of serum.

APPENDIX 7-2-F2

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Biochemical Data

Level and Sex : 10 ppm Female

Animals Killed in Extremis

Experimental No. 82014

Animal	GOT	GPT	LDH	G-GTP	ALP	Total Cholesterol	Tri- glyceride	Free Fatty Acid	(Day)
Number	(mIU/ml)	(mIU/ml)	(mIU/ml)	(mIU/ml)	(mIU/ml)	(mg/dl)	(mg/dl)	(μ Eq/l)	
1105	81.	22.	500.	0.87	44.	151.	76.	981.	722
1112	64.	16.	436.	1.00	33.	261.	69.	650.	550
1119	1560.	220.	3886.	W	182.	182.	347.	1153.	561
1120	821.	68.	2812.	3.40	320.	118.	324.	1651.	659
1121	172.	59.	835.	4.24	479.	91.	162.	918.	687
1122	145.	43.	188.	3.48	239.	142.	939.	1801.	676
1124	104.	47.	143.	2.47	133.	101.	133.	681.	735
1127	55.	24.	115.	1.71	40.	206.	103.	615.	638
1129	178.	42.	805.	1.22	53.	179.	75.	996.	659
1134	W	172.	W	3.79	283.	143.	342.	970.	680
1137	457.	196.	1654.	6.18	81.	53.	241.	1934.	713
1139	548.	104.	1005.	3.49	321.	120.	660.	1230.	680
1140	610.	80.	1247.	6.88	209.	151.	305.	1014.	721
1141	1056.	105.	1005.	28.58	321.	236.	440.	1256.	666
1147	1122.	624.	6164.	7.96	342.	158.	721.	1678.	629
1150	66.	22.	373.	1.21	37.	155.	73.	1052.	631
1152	106.	51.	744.	2.10	129.	151.	67.	676.	729

W : Not measured because of shortage of serum.

APPENDIX 7-2-F2 CONTINUED(1)

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Biochemical Data

Level and Sex : 10 ppm Female
Animals Killed in Extremis

Experimental No. 82014

Animal Number	Phospho- lipids (mg/dl)	Glucose (mg/dl)	Total Protein (g/dl)	Albumin (g/dl)	A/G	Urea Nitrogen (mg/dl)	Calcium (mg/dl)	Inorganic Phosphate (mg/dl)	(Day)
1105	245.	119.	7.56	4.42	1.41	14.	11.4	4.1	722
1112	377.	125.	8.06	3.02	0.60	18.	7.6	6.3	550
1119	421.	101.	9.01	5.14	1.33	23.	15.8	0.7	561
1120	182.	88.	5.52	2.90	1.11	17.	10.8	6.3	659
1121	154.	92.	8.15	2.16	0.36	16.	15.1	8.3	687
1122	262.	194.	7.80	3.96	1.03	22.	16.2	6.3	676
1124	179.	119.	6.11	3.86	1.72	14.	10.8	4.8	735
1127	300.	153.	9.06	5.02	1.24	12.	14.3	7.1	638
1129	277.	157.	8.26	4.57	1.24	12.	12.4	4.0	659
1134	235.	99.	5.77	2.98	1.07	24.	10.4	6.7	680
1137	126.	88.	6.46	3.88	1.50	17.	10.5	6.3	713
1139	244.	100.	7.24	4.16	1.35	21.	12.4	4.8	680
1140	256.	101.	6.28	3.37	1.16	19.	10.9	5.9	721
1141	413.	92.	7.12	3.21	0.82	20.	11.9	5.6	666
1147	328.	112.	6.75	3.93	1.39	32.	11.7	5.0	629
1150	245.	88.	6.80	3.82	1.28	14.	10.3	5.3	631
1152	237.	138.	7.47	4.01	1.16	42.	11.8	5.6	729

APPENDIX 7-2-F2 CONTINUED(2)

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Biochemical Data

Level and Sex : 10 ppm Female

Animals Killed in Extremis

Experimental No. 82014

Animal	Na	K	Cl		(Day)
Number	(mEq/l)	(mEq/l)	(mEq/l)		
1105	140.	3.5	98.		722
1112	141.	4.8	96.		550
1119	137.	4.5	104.		561
1120	149.	3.7	108.		659
1121	146.	4.2	99.		687
1122	142.	3.5	104.		676
1124	143.	2.8	106.		735
1127	145.	5.8	97.		638
1129	140.	3.6	100.		659
1134	144.	4.3	108.		680
1137	144.	5.8	101.		713
1139	136.	4.1	105.		680
1140	140.	4.9	103.		721
1141	140.	4.5	106.		666
1147	133.	3.7	104.		629
1150	W	W	95.		631
1152	132.	5.3	99.		729

W : Not measured because of shortage of serum.

APPENDIX 7-2-F3

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Biochemical Data

Level and Sex : 100 ppm Female

Animals Killed in Extremis

Experimental No. 82014

Animal	GOT	GPT	LDH	G-GTP	ALP	Total Cholesterol	Tri-glyceride	Free Fatty Acid	(Day)
Number	(mIU/ml)	(mIU/ml)	(mIU/ml)	(mIU/ml)	(mIU/ml)	(mg/dl)	(mg/dl)	(μ Eq/l)	
1202	647.	73.	809.	19.29	463.	360.	752.	944.	657
1207	1211.	337.	1527.	6.17	213.	186.	257.	721.	666
1209	2666.	435.	2920.	43.90	1112.	148.	279.	2317.	658
1212	119.	52.	323.	1.13	52.	177.	52.	994.	617
1215	151.	48.	344.	W	63.	112.	34.	401.	427
1218	124.	68.	361.	2.01	209.	107.	101.	625.	728
1221	627.	207.	1742.	11.56	493.	428.	714.	2444.	560
1223	997.	202.	299.	3.89	381.	252.	724.	1242.	720
1225	1170.	222.	790.	14.03	202.	179.	614.	1314.	718
1226	55.	190.	368.	1.22	38.	204.	544.	887.	732
1227	174.	29.	985.	W	32.	107.	64.	1227.	575
1230	1421.	191.	1531.	17.81	179.	117.	98.	439.	607
1235	78.	32.	88.	4.91	666.	155.	314.	816.	665
1244	121.	47.	342.	2.84	246.	79.	120.	506.	609

W : Not measured because of shortage of serum.

APPENDIX 7-2-F3 CONTINUED(1)

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Biochemical Data

Level and Sex : 100 ppm Female

Animals Killed in Extremis

Experimental No. 82014

Animal Number	Phospho-lipids (mg/dl)	Glucose (mg/dl)	Total Protein (g/dl)	Albumin (g/dl)	A/G	Urea Nitrogen (mg/dl)	Calcium (mg/dl)	Inorganic Phosphate (mg/dl)	(Day)
1202	465.	91.	6.17	2.06	0.50	26.	11.1	4.4	657
1207	361.	77.	7.38	3.76	1.04	18.	12.9	4.9	666
1209	288.	52.	3.85	1.73	0.82	24.	8.8	4.3	658
1212	266.	95.	6.89	4.17	1.53	18.	10.7	5.4	617
1215	192.	131.	6.48	3.41	1.11	13.	9.0	4.6	427
1218	192.	161.	5.89	3.60	1.57	14.	10.6	4.9	728
1221	888.	45.	5.02	2.94	1.41	8.	9.7	3.6	560
1223	440.	97.	6.83	3.78	1.24	24.	13.0	6.3	720
1225	388.	79.	5.74	3.08	1.16	25.	10.4	4.5	718
1226	311.	99.	4.77	1.24	0.35	18.	9.8	3.3	732
1227	194.	125.	7.73	4.79	1.63	12.	12.0	6.2	575
1230	208.	43.	3.76	1.92	1.04	86.	10.0	5.8	607
1235	305.	107.	5.18	2.36	0.84	21.	9.4	4.0	665
1244	138.	144.	5.63	2.22	0.65	6.	9.3	3.4	609

APPENDIX 7-2-F3 CONTINUED(2)

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Biochemical Data

Level and Sex : 100 ppm Female

Animals Killed in Extremis

Experimental No. 82014

Animal Number	Na (mEq/l)	K (mEq/l)	Cl (mEq/l)	(Day)
1202	137.	4.1	103.	657
1207	140.	4.5	103.	666
1209	137.	4.6	96.	658
1212	142.	3.6	95.	617
1215	136.	5.3	93.	427
1218	137.	4.2	102.	728
1221	133.	3.1	92.	560
1223	137.	4.1	106.	720
1225	141.	3.2	106.	718
1226	137.	3.7	102.	732
1227	W	W	95.	575
1230	W	W	101.	607
1235	140.	3.3	106.	665
1244	138.	3.3	99.	609

W : Not measured because of shortage of serum.

APPENDIX 7-2-F4

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Biochemical Data

Level and Sex : 1000 ppm Female

Animals Killed in Extremis

Experimental No. 82014

Animal	GOT	GPT	LDH	G-GTP	ALP	Total Cholesterol	Tri-glyceride	Free Fatty Acid	(Day)
Number	(mIU/ml)	(mIU/ml)	(mIU/ml)	(mIU/ml)	(mIU/ml)	(mg/dl)	(mg/dl)	(μ Eq/l)	
1305	224.	95.	268.	4.99	304.	101.	747.	1683.	690
1308	47.	23.	205.	1.87	131.	106.	270.	1132.	722
1309	W	W	W	W	W	W	W	W	732
1311	84.	20.	543.	0.77	88.	73.	162.	990.	671
1312	103.	13.	483.	4.66	160.	78.	656.	784.	652
1318	426.	38.	2862.	6.63	100.	64.	320.	1074.	632
1319	187.	47.	948.	6.82	70.	98.	523.	835.	735
1325	462.	20.	4232.	2.40	70.	86.	284.	1026.	683
1328	141.	57.	377.	0.85	88.	134.	99.	402.	736
1333	105.	15.	536.	3.21	275.	66.	112.	409.	736
1335	123.	61.	731.	1.31	98.	121.	71.	596.	728
1337	72.	43.	420.	1.66	72.	174.	159.	1231.	694
1344	530.	359.	911.	3.05	346.	168.	212.	1035.	718

W : Not measured because of shortage of serum.

APPENDIX 7-2-F4 CONTINUED(1)

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Biochemical Data

Level and Sex : 1000 ppm Female
Animals Killed in Extremis

Experimental No. 82014

Animal Number	Phospho-lipids (mg/dl)	Glucose (mg/dl)	Total Protein (g/dl)	Albumin (g/dl)	A/G	Urea Nitrogen (mg/dl)	Calcium (mg/dl)	Inorganic Phosphate (mg/dl)	(Day)
1305	255.	50.	6.22	3.33	1.15	16.	10.2	3.9	690
1308	167.	127.	6.00	3.22	1.16	23.	11.2	6.0	722
1309	W	W	W	W	0.87	W	W	W	732
1311	122.	134.	4.78	2.54	1.13	23.	9.9	4.8	671
1312	199.	143.	6.69	2.53	0.61	39.	14.7	9.1	652
1318	131.	111.	5.94	3.06	1.06	78.	12.5	13.9	632
1319	220.	126.	5.89	3.74	1.74	23.	10.6	4.6	735
1325	167.	95.	5.01	2.06	0.70	97.	14.1	8.5	683
1328	225.	120.	6.85	4.24	1.62	17.	11.5	6.2	736
1333	131.	167.	5.23	1.98	0.61	22.	10.1	5.6	736
1335	208.	106.	7.03	4.22	1.50	15.	11.5	4.7	728
1337	283.	131.	6.97	3.95	1.31	15.	10.4	3.9	694
1344	282.	62.	6.25	3.53	1.30	26.	10.5	5.9	718

W : Not measured because of shortage of serum.

APPENDIX 7-2-F4 CONTINUED(2)

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Biochemical Data

Level and Sex : 1000 ppm Female

Animals Killed in Extremis

Experimental No. 82014

Animal	Na	K	Cl	
Number	(mEq/l)	(mEq/l)	(mEq/l)	(Day)
1305	139.	2.6	97.	690
1308	143.	4.0	102.	722
1309	140.	4.0	98.	732
1311	135.	5.8	101.	671
1312	134.	4.9	102.	652
1318	136.	6.8	97.	632
1319	139.	4.8	108.	735
1325	140.	5.4	97.	683
1328	142.	2.9	94.	736
1333	140.	4.4	103.	736
1335	142.	4.5	103.	728
1337	139.	3.8	98.	694
1344	142.	4.0	103.	718

APPENDIX 8-1-MI-1

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Organ Weight Data (Grams)

Level and Sex : 0 ppm Male

Animals Killed on Schedule (104 Week)

Experimental No. 82014

Animal Number	Final Body Weight	Brain	Pituitary	Thyroid	Lung	Heart	Liver	Kidneys	(Day)
1	444.3	2.24	0.0170	L 0.0148	1.287	1.168	14.17	2.74	733
2	417.6	2.30	0.0186	0.0273	1.924	1.125	16.59	2.70	733
3	479.7	2.25	0.0149	0.0258	1.293	1.153	14.49	2.86	733
4	452.2	2.30	0.0184	0.0219	1.173	1.343	13.59	2.73	733
5	478.5	2.26	0.0181	0.0305	2.080	1.318	18.04	3.31	733
6	453.7	2.19	0.0171	0.0358	1.310	1.193	12.95	2.79	733
9	430.0	2.25	0.0166	0.0276	1.316	1.100	13.37	2.75	733
11	444.5	2.25	0.0187	L 0.0189	1.194	1.181	14.65	2.86	733
12	475.7	2.31	0.0231	0.0292	1.436	1.249	17.25	3.26	733
14	450.2	2.13	0.0166	0.0283	1.808	1.079	16.34	2.97	734
15	381.2	2.06	0.0854	0.0338	1.202	1.009	11.33	2.73	734
17	504.1	2.35	0.0175	0.0264	1.239	1.215	15.83	2.80	734
18	500.7	2.26	0.0234	0.0326	1.442	1.251	15.07	2.89	734
19	460.9	2.27	0.0147	0.0393	1.273	1.173	15.38	2.81	734
20	468.5	2.24	0.0200	0.1317	1.344	1.280	13.41	3.00	734
23	455.4	2.31	0.1405	0.0341	1.399	1.236	13.45	3.03	734
25	467.8	2.28	0.0187	L 0.0149	1.277	1.127	14.84	3.00	734
26	514.8	2.21	0.1388	0.0327	1.217	1.267	13.39	3.06	734
28	478.6	2.24	0.0163	0.0372	1.301	1.135	16.55	2.86	735
30	442.1	2.07	0.0149	0.0172	1.167	1.082	13.49	2.49	735
31	439.1	2.26	0.0192	0.0327	1.261	1.197	14.80	2.90	735
32	482.3	2.21	0.0186	0.0336	1.236	1.152	16.23	2.98	735

L : Excluded from statistical calculations because of loss of the unilateral organ

APPENDIX 8-1-M1-1 CONTINUED

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Organ Weight Data (Grams)

Level and Sex : 0 ppm Male

Animals Killed on Schedule (104 Week)

Experimental No. 82014

Animal Number	Final Body Weight	Brain	Pituitary	Thyroid	Lung	Heart	Liver	Kidneys	(Day)
33	479.3	2.26	0.0209	0.0300	1.298	1.240	14.33	3.01	735
35	476.0	2.23	0.0397	0.0346	1.325	1.256	15.18	2.97	735
36	485.4	2.31	0.0296	0.0348	1.418	1.268	16.75	3.17	735
37	437.7	2.30	0.1926	0.0224	2.803	1.113	18.39	3.38	735
38	480.8	2.23	0.0214	0.0331	1.407	1.429	15.73	3.09	735
39	454.4	2.19	0.0241	0.0271	1.584	1.168	14.88	2.99	736
40	486.9	2.19	0.0241	0.0258	1.332	1.199	16.50	2.98	736
41	438.6	2.23	0.0193	0.0268	1.326	1.170	14.60	2.70	736
42	484.3	2.16	0.0233	0.0262	1.290	1.201	16.17	2.86	736
45	494.7	2.29	0.0191	0.0349	1.372	1.160	15.96	3.05	736
46	459.2	2.21	0.0172	0.0329	1.473	1.116	15.09	3.00	736
47	487.1	2.21	0.0174	0.0341	1.314	1.084	16.39	3.02	736
48	458.8	2.14	0.0169	0.0257	1.234	1.059	14.16	2.59	736
51	418.5	2.24	0.0202	0.0348	1.272	1.269	12.96	3.29	736
Mean	462.88	2.234	0.03314	0.03336	1.4063	1.1879	15.064	2.934	
N	36	36	36	33	36	36	36	36	
S.D.	27.412	0.0642	0.040433	0.018318	0.31076	0.08644	1.5453	0.1991	

APPENDIX 8-1-M1-2

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Organ Weight Data (Grams)

Level and Sex : 0 ppm Male

Animals Killed on Schedule (104 Week)

Experimental No. 82014

Animal Number	Adrenals	Spleen	Testes	(Day)
1	L 0.0253	1.007	4.72	733
2	0.0531	6.214	4.16	733
3	0.0614	1.529	3.64	733
4	0.0461	1.133	5.02	733
5	0.0497	5.294	3.89	733
6	0.0593	1.155	7.04	733
9	0.0493	0.958	5.80	733
11	0.0665	0.970	4.83	733
12	0.0569	1.460	7.36	733
14	0.0548	2.715	3.28	734
15	0.0541	0.721	0.73	734
17	0.0535	1.195	4.18	734
18	0.0629	1.142	3.17	734
19	0.0584	1.152	5.03	734
20	0.0543	1.338	5.98	734
23	0.0612	0.975	3.04	734
25	0.0638	1.166	5.92	734
26	0.0809	1.035	2.41	734
28	0.0505	1.189	5.48	735
30	0.0599	1.110	5.97	735
31	0.0612	1.405	5.01	735
32	0.5624	1.146	4.60	735

L : Excluded from statistical calculations because of loss of the unilateral organ

APPENDIX 8-1-M1-2 CONTINUED

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Organ Weight Data (Grams)

Level and Sex : 0 ppm Male

Animals Killed on Schedule (104 Week)

Experimental No. 82014

Animal Number	Adrenals	Spleen	Testes	(Day)
33	0.0586	1.057	3.81	735
35	0.0588	1.042	5.77	735
36	0.0619	1.391	6.20	735
37	0.0706	8.010	1.61	735
38	0.0600	1.048	4.67	735
39	0.0642	1.429	2.74	736
40	0.0616	1.151	7.82	736
41	0.0530	1.160	6.59	736
42	0.0567	1.396	7.72	736
45	0.0716	1.325	4.66	736
46	0.0573	1.436	5.29	736
47	0.0473	1.215	5.49	736
48	0.0635	1.211	6.51	736
51	0.0645	0.986	4.84	736
Mean	0.07342	1.6629	4.861	
N	35	36	36	
S.D.	0.085378	1.54819	1.6323	

APPENDIX 8-1-M2-1

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Organ Weight Data (Grams)

Level and Sex : 10 ppm Male

Animals Killed on Schedule (104 Week)

Experimental No. 82014

Animal Number	Final Body Weight	Brain	Pituitary	Thyroid	Lung	Heart	Liver	Kidneys	(Day)
102	424.5	2.23	0.0200	0.0285	1.315	1.059	14.06	2.87	733
103	428.4	2.19	0.0173	0.0265	1.484	1.158	15.93	3.04	733
104	502.7	2.28	0.0352	0.0312	1.306	1.144	15.80	3.37	733
106	454.4	2.18	0.0168	0.0298	1.300	1.138	14.55	2.77	733
107	482.9	2.32	0.0326	0.0324	1.345	1.259	14.77	2.78	733
108	449.1	2.24	0.1025	0.0248	1.349	1.132	13.68	3.23	733
111	465.0	2.34	0.0144	0.0237	1.503	1.209	13.67	2.85	733
113	431.6	2.24	0.0202	0.0690	1.229	1.025	14.99	3.35	733
114	464.5	2.27	0.0200	0.0318	1.257	1.101	14.28	2.86	733
116	452.5	2.30	0.0183	0.0303	1.224	1.125	14.21	2.74	734
117	438.5	2.24	0.0176	0.0256	1.205	1.130	13.11	2.61	734
120	410.2	1.90	0.0191	0.0277	1.115	1.157	14.78	2.88	734
121	464.2	2.23	0.0207	0.0258	1.301	1.230	14.86	3.08	734
122	581.9	2.31	0.0216	0.0297	1.423	1.262	17.69	3.19	734
124	443.8	2.29	0.0178	0.0355	1.303	1.079	15.56	2.96	734
127	486.2	2.32	0.1157	0.0275	1.387	1.302	15.60	3.32	734
128	455.0	2.22	0.0176	0.0316	1.194	1.088	15.18	2.72	734
129	469.0	2.27	0.0113	0.0268	1.262	1.080	13.60	2.96	734
130	420.0	2.17	0.0137	0.0273	1.207	1.013	13.03	2.62	735
131	409.7	2.22	0.2673	0.0394	1.377	1.163	14.85	3.75	735
134	475.1	2.18	0.0173	0.0307	1.358	1.242	15.18	2.87	735
137	422.1	2.13	0.0167	0.0243	1.178	1.048	13.98	2.64	735

APPENDIX 8-1-M2-1 CONTINUED

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Organ Weight Data (Grams)

Level and Sex : 10 ppm Male

Animals Killed on Schedule (104 Week)

Experimental No. 82014

Animal Number	Final Body Weight	Brain	Pituitary	Thyroid	Lung	Heart	Liver	Kidneys	(Day)
138	475.5	2.28	0.0180	0.0324	1.169	1.217	16.72	3.19	735
140	486.5	2.25	0.0207	0.0323	1.408	1.447	15.50	2.82	735
141	472.0	2.21	0.0203	0.0348	1.395	1.252	15.41	2.92	735
142	425.6	2.25	0.0675	0.0391	1.323	1.158	14.38	2.72	735
143	489.6	2.30	0.0156	0.0343	1.317	1.262	14.00	3.19	736
144	467.1	2.27	0.0196	0.0313	1.493	1.494	16.62	2.94	736
145	451.3	2.32	0.0460	0.0284	1.393	1.477	16.35	3.16	736
147	446.0	2.32	0.0238	0.0434	1.293	1.186	17.47	3.67	736
148	425.1	2.18	0.0161	0.0327	1.171	1.112	14.08	2.89	736
149	444.1	2.19	0.0158	0.0346	1.369	1.154	16.03	2.94	736
151	434.9	2.18	0.0179	0.0258	1.280	1.656	14.39	2.94	736
152	460.2	2.29	0.0179	0.0352	1.303	1.231	15.63	2.96	736
Mean	456.15	2.239	0.03391	0.03189	1.3099	1.1997	14.998	2.994	
N	34	34	34	34	34	34	34	34	
S.D.	32.752	0.0803	0.047403	0.007985	0.09645	0.14134	1.1521	0.2739	

APPENDIX 8-1-M2-2

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Organ Weight Data (Grams)

Level and Sex : 10 ppm Male

Animals Killed on Schedule (104 Week)

Experimental No. 82014

Animal Number	Adrenals	Spleen	Testes	(Day)
102	0.0531	1.379	4.21	733
103	0.0609	1.174	4.50	733
104	0.0646	1.237	2.59	733
106	0.0571	0.878	4.58	733
107	0.0607	1.155	3.32	733
108	0.0713	1.387	2.23	733
111	0.0586	1.544	5.85	733
113	0.0613	1.145	4.09	733
114	0.0627	0.991	4.29	733
116	0.0550	1.045	4.28	734
117	0.0531	0.929	6.27	734
120	0.0520	1.475	4.87	734
121	0.0577	1.417	7.02	734
122	0.0591	1.673	8.71	734
124	0.0640	1.145	5.19	734
127	0.0711	1.232	4.59	734
128	0.0505	1.078	5.59	734
129	0.0521	1.211	4.04	734
130	0.0466	1.030	5.29	735
131	0.0791	0.998	1.63	735
134	0.0569	1.054	3.11	735
137	0.0527	1.104	6.96	735

APPENDIX 8-1-M2-2 CONTINUED

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Organ Weight Data (Grams)

Level and Sex : 10 ppm Male

Animals Killed on Schedule (104 Week)

Experimental No. 82014

Animal Number	Adrenals	Spleen	Testes	(Day)
138	0.0624	1.364	4.53	735
140	0.0650	1.547	4.74	735
141	0.5246	1.283	5.13	735
142	0.0504	1.272	2.95	735
143	0.0606	1.259	5.92	736
144	0.0638	1.639	3.65	736
145	0.0613	1.410	5.03	736
147	0.0638	1.430	4.97	736
148	0.0566	0.974	6.40	736
149	0.0573	1.871	6.08	736
151	0.0628	1.682	5.68	736
152	0.0535	1.027	4.95	736
Mean	0.07301	1.2659	4.801	
N	34	34	34	
S.D.	0.080072	0.24444	1.4476	

APPENDIX 8-1-M3-1

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Organ Weight Data (Grams)

Level and Sex : 100 ppm Male

Animals Killed on Schedule (104 Week)

Experimental No. 82014

Animal Number	Final Body Weight	Brain	Pituitary	Thyroid	Lung	Heart	Liver	Kidneys	(Day)
201	370.6	2.07	0.0195	0.0296	1.137	1.052	14.42	2.80	733
202	465.5	2.26	0.0199	0.0257	1.355	1.257	15.44	2.81	733
205	417.1	2.31	0.0184	0.0271	2.378	1.170	20.24	2.96	733
206	462.7	2.23	0.1236	0.0260	1.295	1.073	14.94	3.07	733
207	459.8	2.28	0.1205	0.0319	1.326	1.202	12.76	3.01	733
208	456.2	2.21	0.0209	0.0308	1.248	1.163	13.65	2.65	733
209	452.9	2.31	0.0471	0.0302	1.311	1.164	14.21	2.95	733
210	415.5	2.16	0.0177	0.0301	1.452	1.080	14.12	2.76	733
211	440.7	2.24	0.0222	0.0293	1.227	1.148	13.47	2.67	733
212	448.9	2.23	0.0278	0.0309	1.225	1.141	14.75	2.90	734
213	478.3	2.25	0.0168	0.0230	1.276	1.394	14.30	2.88	734
214	437.7	2.29	0.0858	0.0315	1.204	1.142	13.49	2.93	734
215	439.9	2.22	0.0230	0.0309	1.188	1.141	13.65	2.71	734
216	434.9	2.31	0.0274	0.0301	1.295	1.158	15.48	2.88	734
217	431.5	2.20	0.0207	0.0317	1.488	1.064	14.35	2.76	734
218	444.4	2.26	0.0208	0.0338	1.278	1.094	13.74	2.92	734
219	514.6	2.26	0.0191	0.0316	1.277	1.187	15.41	2.94	734
222	478.6	2.26	0.0182	0.0261	1.388	1.196	16.80	2.94	734
224	438.9	2.21	0.0216	0.0360	1.173	1.131	13.25	2.75	735
225	363.9	2.12	0.1768	0.0312	1.123	1.074	11.13	2.96	735
226	449.3	2.24	0.0093	0.0347	1.566	1.128	14.43	2.81	735
227	449.5	2.23	0.0184	0.0314	1.274	1.109	15.16	2.68	735

APPENDIX 8-1-M3-1 CONTINUED

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Organ Weight Data (Grams)

Level and Sex : 100 ppm Male

Animals Killed on Schedule (104 Week)

Experimental No. 82014

Animal Number	Final Body Weight	Brain	Pituitary	Thyroid	Lung	Heart	Liver	Kidneys	(Day)
228	484.4	2.20	0.0230	0.2332	1.326	1.121	16.11	2.71	735
229	437.4	2.15	0.0146	0.0218	1.250	1.084	13.37	2.88	735
230	444.4	2.14	0.1561	0.0257	1.274	1.120	13.82	3.06	735
231	480.8	2.28	0.0171	0.0305	1.499	1.196	16.46	2.94	735
232	520.9	2.27	0.0197	0.0330	1.365	1.338	15.92	3.23	735
233	394.7	2.16	0.0209	0.07417	1.297	1.022	15.89	4.19	735
234	475.9	2.17	0.0189	0.0345	1.236	1.143	14.09	3.10	735
235	472.4	2.26	0.0150	0.0278	1.373	1.195	14.75	3.01	735
236	482.2	2.19	0.1587	0.0255	1.443	1.330	16.33	3.61	736
237	348.4	2.23	0.0502	0.0220	3.122	1.099	13.84	2.80	736
238	460.6	2.26	0.0149	0.0319	1.308	1.142	13.85	2.85	736
239	486.3	2.23	0.0162	0.0266	1.239	1.179	14.51	2.82	736
240	429.6	2.13	0.0179	0.0313	1.128	1.123	15.10	3.19	736
241	470.5	2.12	0.0195	0.0268	1.235	1.110	14.49	2.79	736
243	464.5	2.14	0.0712	0.0230	1.290	1.149	14.70	2.95	736
246	450.6	2.19	0.0379	0.0323	1.240	1.121	11.78	2.74	736
249	415.4	2.27	0.0187	0.0330	1.407	1.317	14.71	2.97	736
250	491.3	2.19	0.0109	0.0228	1.181	1.145	14.62	2.90	736
251	445.4	2.21	0.0144	0.0224	1.241	1.065	14.79	2.92	736
252	472.5	2.23	0.0184	0.0253	1.246	1.170	17.64	3.51	736

Mean 449.51 2.218 0.03880 0.05083 1.3615 1.1533 14.666 2.950

N 42 42 42 42 42 42 42 42

S.D. 35.692 0.0574 0.043550 0.113719 0.33952 0.07866 1.5235 0.2772

APPENDIX 8-1-M3-2

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Organ Weight Data (Grams)

Level and Sex : 100 ppm Male

Animals Killed on Schedule (104 Week)

Experimental No. 82014

Animal Number	Adrenals	Spleen	Testes	(Day)
201	0.0687	0.853	1.35	733
202	0.0639	1.667	4.11	733
205	0.0551	11.805	3.47	733
206	0.0626	0.978	3.09	733
207	0.0647	0.886	2.72	733
208	0.0507	0.987	6.60	733
209	0.0603	1.161	4.94	733
210	0.0506	1.291	4.30	733
211	0.0527	1.077	5.29	733
212	0.0638	1.004	4.43	734
213	0.0615	1.280	2.62	734
214	0.0631	1.036	4.25	734
215	0.0608	0.999	4.44	734
216	0.0576	2.619	4.71	734
217	0.0533	4.297	5.00	734
218	0.0454	1.244	4.28	734
219	0.0496	1.228	6.22	734
222	0.0600	1.235	5.46	734
224	0.0569	1.131	4.28	734
225	0.0659	0.694	2.50	735
226	0.0513	2.303	5.59	735
227	0.0547	1.032	6.24	735

APPENDIX 8-1-M3-2 CONTINUED

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Organ Weight Data (Grams)

Level and Sex : 100 ppm Male

Animals Killed on Schedule (104 Week)

Experimental No. 82014

Animal Number	Adrenals	Spleen	Testes	(Day)
228	0.0596	1.633	8.51	735
229	0.0481	1.090	5.66	735
230	0.0625	0.903	2.38	735
231	0.0519	1.421	4.03	735
232	0.0754	1.217	2.39	735
233	0.0646	1.449	4.05	735
234	0.0657	1.011	7.60	735
235	0.0559	1.298	4.16	735
236	0.0550	0.831	2.63	736
237	0.0833	2.545	1.81	736
238	0.0582	1.135	5.66	736
239	0.0527	1.237	5.14	736
240	0.0641	1.018	2.99	736
241	0.0517	1.296	5.26	736
243	0.1119	0.990	3.57	736
246	0.0724	0.880	3.41	736
249	0.0609	1.875	7.12	736
250	0.0572	1.129	1.92	736
251	0.0480	1.159	7.29	736
252	0.0705	1.917	5.61	736

Mean 0.06054 1.5915 4.454

N 42 42

S.D. 0.011314 1.73468 1.6676

APPENDIX 8-1-M4-1

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Organ Weight Data (Grams)

Level and Sex : 1000 ppm Male

Animals Killed on Schedule (104 Week)

Experimental No. 82014

Animal Number	Final Body Weight	Brain	Pituitary	Thyroid	Lung	Heart	Liver	Kidneys	(Day)
301	435.1	2.20	0.0229	0.0289	1.218	1.136	13.22	2.84	733
302	446.1	2.22	0.0190	0.0266	1.257	1.107	13.35	2.84	733
303	481.0	2.27	0.0262	0.0420	1.302	1.256	12.82	2.92	733
304	453.1	2.21	0.0182	0.0244	1.253	1.153	13.77	2.80	733
305	492.4	2.20	0.0158	0.0281	1.118	1.044	14.76	2.57	733
306	473.3	2.33	0.0130	0.0344	1.353	1.072	15.19	2.89	733
308	469.8	2.26	0.0224	0.0395	1.421	1.249	14.07	2.87	733
310	486.9	2.28	0.0331	0.0301	1.296	1.088	13.07	2.89	733
313	437.3	2.23	0.0190	0.0336	1.243	1.076	13.82	2.99	733
314	441.9	2.26	0.0203	0.0284	1.366	1.072	17.18	3.36	734
315	498.0	2.21	0.0132	0.0357	1.385	1.169	14.25	2.84	734
316	507.1	2.29	0.0213	0.0273	1.732	1.302	13.65	2.69	734
317	486.3	2.28	0.0269	0.0361	1.385	1.169	14.02	3.03	734
320	468.4	2.26	0.0210	0.0361	1.308	1.229	14.14	2.98	734
326	479.4	2.32	0.0228	0.0381	1.360	1.171	15.17	2.89	734
327	450.4	2.22	0.0208	0.0291	1.257	1.108	13.15	2.76	734
328	472.7	2.21	0.0161	0.0335	1.305	1.236	15.71	3.03	734
330	461.7	2.18	0.0234	0.0326	1.539	1.129	16.19	2.84	734
331	504.1	2.28	0.0165	0.0261	1.290	1.224	13.83	2.91	735
333	502.8	2.16	0.0129	0.0279	1.252	1.193	14.59	2.84	735
335	464.8	2.14	0.0210	0.0300	1.254	1.096	13.61	2.69	735
336	443.1	2.23	0.0197	0.0336	1.378	1.167	15.60	3.06	735

APPENDIX 8-1-M4-1 CONTINUED

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Organ Weight Data (Grams)

Level and Sex : 1000 ppm Male

Animals Killed on Schedule (104 Week)

Experimental No. 82014

Animal Number	Final Body Weight	Brain	Pituitary	Thyroid	Lung	Heart	Liver	Kidneys	(Day)
337	477.5	2.28	0.0656	0.0328	1.273	1.264	15.83	3.48	735
338	487.7	2.27	0.0214	0.1025	1.535	1.340	16.29	3.87	735
340	500.8	2.30	0.0206	0.0345	1.357	1.442	14.26	3.08	735
341	483.8	2.28	0.0132	0.0354	1.265	1.173	12.85	3.21	735
342	499.7	2.33	0.0201	0.0307	1.469	1.468	16.00	2.91	736
343	494.9	2.18	0.0196	0.0262	1.454	1.085	16.13	2.40	736
344	483.3	2.26	0.0224	0.0400	1.376	1.139	16.31	2.86	736
345	472.2	2.29	0.0129	0.0291	1.317	1.195	15.20	2.77	736
346	480.0	2.21	0.0185	0.0245	1.318	1.261	15.54	2.67	736
347	468.4	2.30	0.0878	0.0226	1.911	1.081	17.53	2.60	736
348	455.8	2.18	0.0187	0.0261	1.437	1.155	16.76	2.94	736
351	450.0	2.19	0.0182	0.0309	1.212	1.246	14.66	3.12	736
Mean	473.82	2.244	0.02307	0.03345	1.3587	1.1851	14.780	2.925	
N	34	34	34	34	34	34	34	34	
S.D.	20.759	0.0502	0.014521	0.013113	0.15026	0.10048	1.3037	0.2685	

APPENDIX 8-1-M4-2

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Organ Weight Data (Grams)

Level and Sex : 1000 ppm Male

Animals Killed on Schedule (104 Week)

Experimental No. 82014

Animal Number	Adrenals	Spleen	Testes	(Day)
301	0.0548	0.971	3.28	733
302	0.0467	1.093	2.11	733
303	0.0551	1.172	5.05	733
304	0.0564	1.238	2.61	733
305	0.0516	1.127	10.79	733
306	0.0667	1.058	4.97	733
308	0.0513	1.268	4.21	733
310	0.0536	1.264	4.46	733
313	0.0596	1.111	6.94	733
314	0.0988	1.213	3.51	734
315	0.0415	0.889	2.73	734
316	0.0525	1.487	6.22	734
317	0.0533	1.292	4.71	734
320	0.0529	1.126	4.17	734
326	0.0525	1.077	5.58	734
327	0.0468	1.242	5.99	734
328	0.0493	1.510	7.23	734
330	0.0618	1.786	2.88	734
331	0.0649	1.494	2.76	735
333	0.0459	1.312	5.49	735
335	0.0529	1.122	6.17	735
336	0.0575	1.257	6.35	735

APPENDIX 8-1-M4-2 CONTINUED

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Organ Weight Data (Grams)

Level and Sex : 1000 ppm Male

Animals Killed on Schedule (104 Week)

Experimental No. 82014

Animal Number	Adrenals	Spleen	Testes	(Day)
337	0.1115	1.067	3.06	735
338	0.0739	1.298	5.74	735
340	0.0591	1.133	2.53	735
341	0.0516	0.923	2.07	735
342	0.0589	1.618	7.47	736
343	0.0504	1.373	6.14	736
344	0.0598	1.413	6.71	736
345	0.0527	1.251	3.48	736
346	0.0515	1.341	4.25	736
347	0.0625	4.932	3.31	736
348	0.0530	2.200	5.13	736
351	3.0345	1.272	6.11	736
Mean	0.14546	1.3803	4.830	
N	34	34	34	
S.D.	0.510662	0.67588	1.9022	

APPENDIX 8-1-Fl-1

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Organ Weight Data (Grams)

Level and Sex : 0 ppm Female

Animals Killed on Schedule (104 Week)

Experimental No. 82014

Animal Number	Final Body Weight	Brain	Pituitary	Thyroid	Lung	Heart	Liver	Kidneys	(Day)
1001	306.1	1.95	0.0172	0.0324	0.842	0.950	10.19	2.09	740
1002	303.0	2.07	0.0195	0.0313	1.138	1.149	10.26	2.21	740
1003	341.4	2.04	0.0262	0.0289	0.964	0.889	11.02	2.28	740
1008	333.2	2.01	0.0553	0.0282	0.937	0.910	12.03	2.56	740
1009	277.6	2.06	0.2849	0.0239	1.097	0.879	8.56	2.11	740
1010	381.3	2.05	0.0316	0.0332	0.978	1.056	12.29	2.46	740
1013	284.9	2.04	0.0186	0.0263	0.909	0.858	8.22	1.99	740
1016	310.0	2.06	0.0124	0.0216	0.845	0.842	8.98	1.95	740
1018	317.5	1.99	0.0174	0.0254	0.880	0.903	9.65	2.06	740
1019	275.0	1.98	0.0111	0.0231	0.844	0.877	8.82	2.05	741
1020	367.0	2.00	0.0249	0.0262	0.884	1.008	9.82	2.15	741
1021	333.7	1.90	0.0163	0.0271	0.861	0.895	8.82	2.03	741
1022	318.3	2.00	0.0164	0.0270	0.905	0.884	9.27	1.94	741
1023	315.2	1.95	0.0195	0.0288	1.417	0.972	11.11	1.99	741
1024	294.5	2.03	0.0189	0.0334	0.935	0.892	9.49	1.96	741
1025	330.5	1.99	0.1407	0.0267	0.969	1.005	11.24	2.46	741
1026	348.3	2.05	0.0172	0.0398	0.951	0.889	10.35	2.07	741
1029	338.2	2.01	0.0326	0.0295	0.863	0.877	9.51	2.10	741
1030	369.2	2.03	0.0213	0.0408	0.949	0.882	9.82	2.12	742
1031	315.7	1.99	0.0220	0.0257	0.987	0.926	13.01	1.91	742
1032	290.2	1.96	0.0137	0.0221	0.812	0.784	8.20	1.88	742
1034	371.6	2.03	0.0355	0.0291	1.076	0.931	12.78	2.53	742

APPENDIX 8-1-F1-1 CONTINUED

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Organ Weight Data (Grams)

Level and Sex : 0 ppm Female

Animals Killed on Schedule (104 Week)

Experimental No. 82014

Animal Number	Final Body Weight	Brain	Pituitary	Thyroid	Lung	Heart	Liver	Kidneys	(Day)
1035	280.1	2.00	0.0180	0.0254	1.877	0.936	15.54	2.27	742
1038	292.6	2.00	0.0306	0.0324	1.376	1.046	9.85	2.22	742
1039	336.8	2.04	0.0210	0.0230	0.937	0.889	9.64	2.26	742
1040	343.8	1.99	0.0261	0.0223	0.966	0.903	10.23	2.10	743
1042	324.9	2.01	0.0167	0.0258	0.940	0.855	10.53	2.08	743
1046	321.0	1.94	0.0752	0.0204	1.007	0.890	9.43	2.01	743
1047	356.7	2.00	0.0256	0.0248	0.995	0.874	11.48	2.54	743
1048	321.2	2.00	0.0139	0.0240	1.025	1.010	9.47	2.22	743
1052	327.9	2.03	0.1157	0.0243	1.117	0.902	11.80	2.39	743
Mean	323.46	2.006	0.03923	0.02751	1.0091	0.9214	10.368	2.161	
N	31	31	31	31	31	31	31	31	
S.D.	28.632	0.0389	0.054098	0.004870	0.21191	0.07369	1.5993	0.1953	

APPENDIX 8-1-F1-2

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Organ Weight Data (Grams)

Level and Sex : 0 ppm Female

Animals Killed on Schedule (104 Week)

Experimental No. 82014

Animal Number	Adrenals	Spleen	Ovaries	(Day)
1001	0.0664	0.503	0.0720	740
1002	0.0641	1.724	0.0874	740
1003	0.0642	1.136	0.0728	740
1008	0.0653	0.730	0.0724	740
1009	0.0643	0.739	0.0402	740
1010	0.0741	0.939	0.0724	740
1013	0.0487	0.440	0.0627	740
1016	0.0601	0.527	0.0554	740
1018	0.0268	0.561	0.0921	740
1019	0.0714	0.835	0.0704	741
1020	0.0589	0.593	0.0658	741
1021	0.0636	0.562	0.0791	741
1022	0.0571	0.606	0.0827	741
1023	0.0697	3.755	0.0836	741
1024	0.0690	0.712	0.0807	741
1025	0.0714	0.535	0.0499	741
1026	0.0630	0.810	0.2494	741
1029	0.0607	0.545	0.0963	741
1030	0.0550	0.620	0.0804	742
1031	0.0654	0.653	0.0945	742
1032	0.0489	0.534	0.0648	742
1034	0.0722	1.268	0.0777	742

L : Excluded from statistical calculations because of loss of the unilateral organ

APPENDIX 8-1-F1-2 CONTINUED

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Organ Weight Data (Grams)

Level and Sex : 0 ppm Female

Animals Killed on Schedule (104 Week)

Experimental No. 82014

Animal Number	Adrenals	Spleen	Ovaries	(Day)
1035	0.0623	6.840	0.0648	742
1038	0.0535	2.307	0.0422	742
1039	0.0602	0.564	0.0698	742
1040	0.0690	0.615	0.0684	743
1042	0.0699	0.632	0.1164	743
1046	0.0577	0.849	0.0694	743
1047	0.0670	0.747	0.0797	743
1048	0.0726	0.555	0.0704	743
1052	0.0844	0.819	0.0449	743

Mean	0.06434	1.0727	0.07835
N	30	31	31
S.D.	0.007685	1.25607	0.035649

APPENDIX 8-1-F2-1

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY OF METHANOL IN F344 RATS

Individual Organ Weight Data (Grams)

Level and Sex : 10 ppm Female

Animals Killed on Schedule (104 Week)

Experimental No. 82014

Animal Number	Final Body Weight	Brain	Pituitary	Thyroid	Lung	Heart	Liver	Kidneys	(Day)
1101	227.8	1.98	0.2048	0.0238	0.940	0.834	9.33	2.28	740
1102	322.8	2.13	0.0261	0.0242	0.949	0.912	8.93	1.97	740
1103	371.8	2.01	0.0328	0.0207	0.894	0.929	10.81	2.03	740
1104	340.4	2.07	0.0164	0.0214	0.960	0.865	9.40	2.00	740
1106	334.3	2.06	0.0238	0.0276	0.936	0.915	8.97	2.00	740
1107	352.8	2.02	0.0773	0.0262	0.937	0.915	10.97	2.26	740
1108	385.2	1.98	0.0252	0.0297	0.893	1.057	11.00	2.32	740
1109	485.1	1.99	0.0133	0.0215	0.867	0.862	12.19	2.04	740
1111	338.8	2.05	0.0433	0.0274	0.930	0.950	10.45	2.19	740
1113	321.2	2.05	0.0162	0.0278	0.874	0.882	8.94	1.83	741
1114	310.5	2.06	0.0251	0.0239	0.910	0.914	9.48	2.09	741
1115	390.4	1.99	0.0187	0.0290	1.042	1.032	11.77	2.23	741
1116	379.4	2.01	0.0373	0.0266	0.905	0.879	10.75	2.15	741
1117	356.6	2.05	0.0136	0.0266	0.933	0.907	10.80	2.28	741
1118	280.8	2.03	0.1791	0.0234	0.879	0.856	8.46	1.98	741
1123	328.3	2.00	0.0142	0.0236	0.924	0.912	9.64	2.03	741
1125	270.5	1.93	0.1648	0.0185	0.924	0.819	9.60	2.23	741
1126	367.2	2.03	0.0236	0.0298	1.029	1.076	15.63	2.63	741
1128	316.9	1.95	0.0135	0.0208	0.852	0.823	9.34	2.05	742
1131	367.2	2.03	0.0221	0.0243	0.872	0.951	9.61	2.22	742
1132	361.7	1.99	0.0155	0.0246	1.026	0.826	11.62	2.05	742
1133	359.3	1.96	0.0197	0.0218	0.950	0.953	10.20	2.02	742

APPENDIX 8-1-F2-1 CONTINUED

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Organ Weight Data (Grams)

Level and Sex : 10 ppm Female

Animals Killed on Schedule (104 Week)

Experimental No. 82014

Animal Number	Final Body Weight	Brain	Pituitary	Thyroid	Lung	Heart	Liver	Kidneys	(Day)
1135	364.7	2.00	0.0177	0.0289	0.985	0.888	10.92	2.28	742
1136	319.3	2.05	0.0265	0.0273	0.980	0.957	11.38	2.47	742
1138	336.4	2.05	0.0180	0.0222	0.840	0.802	9.40	1.96	742
1142	335.3	2.00	0.0177	0.0273	0.920	0.960	9.96	2.05	742
1143	341.3	2.03	0.0542	0.0237	0.972	1.036	10.77	2.29	743
1144	324.9	2.02	0.0228	0.0288	0.948	0.872	10.34	2.21	743
1145	339.7	2.07	0.0240	0.0285	0.898	0.879	10.23	2.14	743
1146	359.6	2.01	0.0243	0.0251	0.980	0.998	10.42	2.15	743
1148	340.3	2.06	0.1208	0.0279	1.101	1.291	12.72	2.45	743
1149	275.2	2.00	0.1168	0.0273	0.892	0.891	10.28	2.04	743
1151	340.9	1.98	0.0364	0.0288	0.945	0.994	11.05	2.33	743
Mean	340.81	2.019	0.04562	0.02542	0.9360	0.9284	10.465	2.159	
N	33	33	33	33	33	33	33	33	
S.D.	43.293	0.0406	0.051373	0.003034	0.05739	0.09546	1.3628	0.1709	

APPENDIX 8-1-F2-2

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY OF METHANOL IN F344 RATS

Individual Organ Weight Data (Grams)

Level and Sex : 10 ppm Female

Animals Killed on Schedule (104 Week)

Experimental No. 82014

Animal Adrenals Spleen Ovaries

Number

(Day)

1101	0.0642	0.728	0.0534	740
1102	0.0609	0.486	0.0675	740
1103	0.0664	0.548	0.0614	740
1104	0.0532	0.665	0.1230	740
1106	0.0621	0.713	0.0534	740
1107	0.0652	0.563	0.0577	740
1108	0.0595	0.444	0.0924	740
1109	0.0706	0.639	0.0705	740
1111	0.0708	0.644	0.0637	740
1113	0.0605	0.533	0.0670	741
1114	0.0549	0.588	0.0672	741
1115	0.0733	2.730	0.0766	741
1116	0.0593	0.655	2.3622	741
1117	0.0709	0.831	0.0905	741
1118	0.0527	0.565	0.0562	741
1123	0.0569	0.656	0.0780	741
1125	0.0614	0.662	0.0755	741
1126	0.0766	1.635	0.1334	741
1128	0.0560	0.641	0.0684	742
1131	0.0531	0.690	0.0795	742
1132	0.0571	0.475	0.0586	742
1133	0.0603	1.124	0.0772	742

APPENDIX 8-1-F2-2 CONTINUED

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Organ Weight Data (Grams)

Level and Sex : 10 ppm Female

Animals Killed on Schedule (104 Week)

Experimental No. 82014

Animal Number	Adrenals	Spleen	Ovaries	(Day)
1135	0.0663	0.764	0.0725	742
1136	0.4910	0.565	0.0814	742
1138	0.0585	0.752	0.0763	742
1142	0.0669	0.632	0.0866	742
1143	0.0756	0.645	0.0581	743
1144	0.0606	0.540	0.0751	743
1145	0.0597	0.752	0.0530	743
1146	0.0641	0.563	0.0886	743
1148	0.0868	0.886	0.0579	743
1149	0.0740	0.838	0.0733	743
1151	0.0660	0.580	0.0654	743
Mean	0.07683	0.7495	0.14308	
N	33	33	33	
S.D.	0.074753	0.41607	0.398771	

APPENDIX 8-1-F3-1

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Organ Weight Data (Grams)

Level and Sex : 100 ppm Female

Animals Killed on Schedule (104 Week)

Experimental No. 82014

Animal Number	Final Body Weight	Brain	Pituitary	Thyroid	Lung	Heart	Liver	Kidneys	(Day)
1201	331.3	2.00	0.0125	0.0273	0.965	1.093	10.10	2.09	740
1203	316.5	1.97	0.0287	0.0228	1.081	1.180	10.65	2.10	740
1205	379.4	2.05	0.0303	0.0261	0.928	0.948	11.01	2.31	740
1206	361.1	1.97	0.0183	0.0218	0.896	0.958	9.19	2.07	740
1208	314.5	2.01	0.0152	0.0295	0.910	0.930	8.76	2.03	740
1210	338.9	1.90	0.0212	0.0272	0.917	0.942	9.91	2.02	740
1211	350.3	2.08	0.0182	0.0309	0.924	0.965	10.20	2.22	740
1213	329.7	2.03	0.0141	0.0547	0.924	0.799	10.04	2.18	740
1214	317.5	2.04	0.0156	0.0298	0.989	0.929	8.86	2.04	740
1216	290.5	2.05	0.0196	0.0277	0.939	0.900	8.53	1.91	741
1217	313.8	1.99	0.0315	0.0300	0.936	0.972	9.15	2.11	741
1219	320.9	2.05	0.0114	0.0262	0.865	0.853	8.87	1.98	741
1220	296.3	2.03	0.0155	0.0202	0.807	0.776	8.17	1.94	741
1222	319.4	2.00	0.0223	0.0233	1.075	0.901	14.67	1.94	741
1228	333.3	2.06	0.0194	0.0332	1.280	0.937	10.05	2.16	741
1229	344.3	2.00	0.2619	0.0186	1.035	1.041	14.28	2.60	741
1231	339.8	2.10	0.0356	0.0251	1.074	0.894	10.47	2.24	741
1232	322.6	1.97	0.1258	0.0177	0.920	1.013	10.79	2.24	741
1234	382.5	2.04	0.0205	0.0246	0.979	0.982	11.11	2.08	742
1237	315.2	1.97	0.0167	0.0236	0.908	0.959	9.66	2.22	742
1238	225.3	2.05	0.0187	0.0218	0.943	0.890	6.60	2.36	742
1239	364.9	1.90	0.0722	0.0241	0.974	0.961	12.88	2.30	742

APPENDIX 8-1-F3-1 CONTINUED

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Organ Weight Data (Grams)

Level and Sex : 100 ppm Female

Animals Killed on Schedule (104 Week)

Experimental No. 82014

Animal Number	Final Body Weight	Brain	Pituitary	Thyroid	Lung	Heart	Liver	Kidneys	(Day)
1240	331.0	2.01	0.0170	0.0232	0.842	0.914	9.41	1.98	742
1242	344.3	2.03	0.0235	0.0258	0.939	0.919	10.20	2.16	742
1245	291.9	1.96	0.0213	0.0220	0.891	0.745	10.17	2.08	742
1246	345.0	2.00	0.0160	0.0239	1.016	0.940	9.96	2.13	743
1247	321.6	2.06	0.0333	0.0237	0.958	0.976	10.67	2.15	743
1248	388.5	2.02	0.0172	0.0200	0.979	0.989	11.07	2.20	743
1250	386.8	1.97	0.0198	0.0281	0.928	0.948	11.23	2.31	743
1251	292.9	2.01	0.0125	0.0197	0.909	0.807	8.74	1.91	743
1252	368.3	2.03	0.0219	0.0272	0.922	1.000	9.77	2.29	743
Mean	331.56	2.011	0.03315	0.02580	0.9565	0.9375	10.167	2.140	
N	31	31	31	31	31	31	31	31	
S.D.	33.923	0.0460	0.047668	0.006543	0.08713	0.08707	1.6226	0.1523	

APPENDIX 8-1-F3-2

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Organ Weight Data (Grams)

Level and Sex : 100 ppm Female

Animals Killed on Schedule (104 Week)

Experimental No. 82014

Animal Number	Adrenals	Spleen	Ovaries	(Day)
1201	0.0696	0.967	0.0793	740
1203	0.0649	0.451	0.0593	740
1205	0.0666	0.761	0.0746	740
1206	0.0512	0.657	0.0697	740
1208	0.0616	0.565	0.0954	740
1210	0.0637	0.501	0.0730	740
1211	0.0692	0.686	0.0598	740
1213	0.0469	0.624	0.0603	740
1214	0.0654	0.541	0.0746	740
1216	0.0595	0.664	0.0596	741
1217	0.0663	1.087	0.0630	741
1219	0.0565	0.561	0.0777	741
1220	0.0475	0.454	0.0612	741
1222	0.0609	9.559	0.0978	741
1228	0.0668	1.174	0.0716	741
1229	0.0741	1.046	0.0585	741
1231	0.0668	1.066	0.0789	741
1232	0.0662	0.761	0.0661	741
1234	0.0644	0.468	0.0881	742
1237	0.0721	0.526	0.0718	742
1238	0.0603	0.438	0.0339	742
1239	0.0643	0.612	0.0618	742

APPENDIX 8-1-F3-2 CONTINUED

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Organ Weight Data (Grams)

Level and Sex : 100 ppm Female

Animals Killed on Schedule (104 Week)

Experimental No. 82014

Animal Number	Adrenals	Spleen	Ovaries	(Day)
1240	0.0600	0.641	0.0757	742
1242	0.0649	0.764	0.0734	742
1245	0.0594	0.652	0.0716	742
1246	0.0530	0.701	0.0693	743
1247	0.0678	1.700	0.0633	743
1248	0.0689	0.626	0.0817	743
1250	0.0653	0.672	0.0531	743
1251	0.0640	0.658	0.0830	743
1252	0.0699	0.669	0.0726	743

Mean	0.06316	1.0081	0.07031
N	31	31	31
S.D.	0.006603	1.60892	0.012623

APPENDIX 8-1-F4-1

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Organ Weight Data (Grams)

Level and Sex : 1000 ppm Female

Animals Killed on Schedule (104 Week)

Experimental No. 82014

Animal Number	Final Body Weight	Brain	Pituitary	Thyroid	Lung	Heart	Liver	Kidneys	(Day)
1301	329.4	1.98	0.0149	0.0225	0.919	0.847	9.57	2.07	740
1303	326.1	1.98	0.0160	0.0302	0.899	0.894	9.38	2.03	740
1304	318.8	2.02	0.0213	0.0251	0.891	0.933	10.33	2.15	740
1306	357.9	2.04	0.0238	0.0259	0.975	0.981	11.21	2.32	740
1307	273.2	1.99	0.0197	0.0408	1.092	1.006	10.10	2.29	740
1310	354.1	2.05	0.0256	0.0281	0.937	0.960	10.54	2.24	740
1313	319.6	1.93	0.0207	0.0253	0.884	0.969	9.90	2.09	740
1314	269.4	2.02	0.0181	0.0284	1.320	0.884	12.70	2.31	740
1316	275.8	1.98	0.0225	0.0253	0.927	0.858	8.19	1.90	740
1317	285.6	1.96	0.0117	0.0312	0.798	0.824	8.24	1.92	741
1320	310.2	1.93	0.0184	0.0268	0.850	0.766	8.00	1.74	741
1321	327.7	1.97	0.0154	0.0233	0.839	0.829	9.25	1.99	741
1322	357.9	2.06	0.0251	0.0216	1.062	0.894	11.03	2.36	741
1323	297.6	2.03	0.0110	0.0285	0.924	0.909	9.82	2.16	741
1324	325.6	2.04	0.0346	0.0292	1.225	0.951	10.09	1.95	741
1326	308.4	2.02	0.0369	0.0274	1.232	0.988	10.30	2.12	741
1327	328.1	2.00	0.0133	0.0285	0.926	0.907	10.03	2.00	741
1330	384.7	2.00	0.0132	0.0266	1.149	0.897	11.28	2.24	741
1331	363.7	1.98	0.0886	0.0256	0.990	1.017	11.92	2.51	742
1332	369.8	2.04	0.0284	0.0256	0.947	0.932	9.82	1.98	742
1334	342.1	2.02	0.0261	0.0245	0.914	0.917	9.62	2.05	742
1336	305.3	1.99	0.0293	0.0238	0.909	0.938	9.35	2.03	742

APPENDIX 8-1-F4-1 CONTINUED

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Organ Weight Data (Grams)

Level and Sex : 1000 ppm Female

Animals Killed on Schedule (104 Week)

Experimental No. 82014

Animal Number	Final Body Weight	Brain	Pituitary	Thyroid	Lung	Heart	Liver	Kidneys	(Day)
1338	311.1	2.01	0.0193	0.0251	1.097	0.872	9.56	1.92	742
1339	337.6	1.97	0.0308	0.0302	0.902	0.956	10.33	2.25	742
1340	316.7	1.95	0.0180	0.0227	0.889	0.865	10.14	2.10	742
1341	379.0	2.02	0.0239	0.0275	0.996	0.909	13.34	2.56	742
1343	319.1	1.98	0.0745	0.0260	1.019	0.863	8.80	1.92	742
1345	320.9	1.99	0.0167	0.0244	0.933	0.980	10.89	2.19	743
1346	302.6	2.04	0.0133	0.0268	1.024	0.863	9.74	2.17	743
1347	357.0	2.01	0.0155	0.0341	1.079	1.192	13.62	2.29	743
1348	293.1	1.98	0.0230	0.0550	0.928	0.906	9.63	2.19	743
1349	309.1	1.94	0.0265	0.0259	1.014	1.023	10.35	2.36	743
1350	338.2	2.02	0.0164	0.0211	0.953	0.945	9.75	2.05	743
1351	385.2	2.03	0.0176	0.0271	1.020	0.964	10.89	2.10	743
1352	307.5	1.98	0.0145	0.0235	1.034	0.934	9.33	2.07	743
Mean	325.95	1.999	0.02413	0.02753	0.9856	0.9249	10.201	2.132	
N	35	35	35	35	35	35	35	35	
S.D.	30.735	0.0340	0.015788	0.006035	0.11598	0.07439	1.2698	0.1779	

APPENDIX 8-1-F4-2

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Organ Weight Data (Grams)

Level and Sex : 1000 ppm Female

Animals Killed on Schedule (104 Week)

Experimental No. 82014

Animal Number	Adrenals	Spleen	Ovaries	(Day)
1301	0.0635	0.635	0.0758	740
1303	0.0610	0.754	0.1070	740
1304	0.0683	0.558	0.0888	740
1306	0.0653	0.538	0.0776	740
1307	0.0802	1.780	0.0773	740
1310	0.0595	0.522	0.0739	740
1313	0.0704	0.814	0.0914	740
1314	0.0700	4.686	0.0901	740
1316	0.0586	0.550	0.0625	740
1317	0.0599	0.784	0.0551	741
1320	0.0602	0.568	0.0817	741
1321	0.0546	0.544	0.0646	741
1322	0.0656	1.669	0.0591	741
1323	0.0569	0.591	0.0547	741
1324	0.0649	4.376	0.0616	741
1326	0.0616	2.749	0.0409	741
1327	0.0550	0.728	0.0865	741
1330	0.0592	1.913	0.1066	741
1331	0.0659	0.710	0.0438	742
1332	0.0511	0.487	0.0788	742
1334	0.0687	0.716	0.0893	742
1336	0.0639	0.573	0.0751	742

APPENDIX 8-1-F4-2 CONTINUED

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Organ Weight Data (Grams)

Level and Sex : 1000 ppm Female

Animals Killed on Schedule (104 Week)

Experimental No. 82014

Animal Number	Adrenals	Spleen	Ovaries	(Day)
1338	0.0633	1.256	0.0657	742
1339	0.1277	0.582	0.0630	742
1340	0.2481	0.566	0.0302	742
1341	0.0590	1.340	0.0918	742
1343	0.0602	0.457	0.0676	742
1345	0.0591	0.702	0.0811	743
1346	0.0630	0.680	0.0731	743
1347	0.0761	1.519	0.0909	743
1348	0.0599	0.599	0.1032	743
1349	0.0624	0.516	0.0851	743
1350	0.0651	0.567	0.0837	743
1351	0.0622	0.674	0.0784	743
1352	0.0671	0.673	0.1115	743

Mean	0.07021	1.0679	0.07621
N	35	35	35
S.D.	0.033315	1.00334	0.018704

APPENDIX 8-2-M1-1

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Organ Weight Data (Grams)

Level and Sex : 0 ppm Male

Animals Killed in Extremis

Experimental No. 82014

Animal Number	Final Body Weight	Brain	Pituitary	Thyroid	Lung	Heart	Liver	Kidneys	(Day)
7	343.2	2.03	0.2767	0.0277	1.230	1.197	9.96	2.60	721
8	349.1	2.40	0.0220	0.0325	2.022	0.946	11.20	2.69	687
10	389.1	1.47	0.0186	0.0335	1.437	1.264	11.04	2.79	608
13	554.5	2.18	0.0173	0.0293	1.328	1.320	14.30	2.78	714
16	351.0	2.22	0.0116	0.0169	2.260	1.067	17.84	2.48	435
21	480.2	2.15	0.0940	0.0237	1.312	1.145	17.09	2.92	726
22	361.1	2.14	0.3535	0.0323	1.242	1.059	12.09	3.04	670
24	389.9	2.22	0.1956	0.0309	1.237	1.056	10.52	2.95	673
27	480.6	2.12	0.0195	0.0277	1.106	1.049	10.44	2.55	623
29	344.6	2.15	0.0093	0.0185	0.958	0.906	7.55	2.13	356
34	394.2	2.25	0.0162	0.0273	5.743	1.162	17.55	2.94	686
43	435.3	2.22	0.0137	0.0339	1.526	1.457	14.34	59.33	701
49	354.3	2.13	0.0707	0.1545	1.146	1.110	12.45	2.93	729
50	338.5	2.25	0.0152	0.0298	1.272	0.878	7.81	2.45	706
52	365.9	2.11	0.0102	0.0163	1.101	1.046	7.25	2.27	347

APPENDIX 8-2-M1-2

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Organ Weight Data (Grams)

Level and Sex : 0 ppm Male

Animals Killed in Extremis

Experimental No. 82014

Animal Number	Adrenals	Spleen	Testes	(Day)
7	0.0588	0.626	1.77	721
8	0.0662	3.096	2.57	687
10	0.0776	1.088	3.40	608
13	0.0694	1.795	4.17	714
16	0.0627	8.330	2.74	435
21	0.0629	1.186	3.29	726
22	0.0746	0.939	1.92	670
24	0.1146	0.749	4.33	673
27	0.0493	0.660	4.53	623
29	0.0435	0.587	3.09	356
34	0.1836	10.537	2.75	686
43	0.0568	1.770	1.03	701
49	0.0986	0.849	5.70	729
50	0.0528	0.884	5.91	706
52	0.0491	0.500	2.81	347

APPENDIX 8-2-M2-1

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Organ Weight Data (Grams)

Level and Sex : 10 ppm Male

Animals Killed in Extremis

Experimental No. 82014

Animal Number	Final Body Weight	Brain	Pituitary	Thyroid	Lung	Heart	Liver	Kidneys	(Day)
101	554.2	2.15	0.0207	0.0329	1.394	1.133	15.60	2.56	712
105	302.5	2.09	0.1988	0.0257	1.380	0.930	7.70	2.43	665
110	504.8	2.24	0.0218	0.0409	1.512	1.208	18.93	3.05	721
112	578.0	2.22	0.0133	0.0225	1.304	1.202	16.80	2.57	537
115	383.2	2.13	0.0223	0.0340	3.205	1.154	17.60	3.28	711
118	407.8	3.11	0.0098	0.0158	2.145	1.141	13.10	2.08	519
119	276.5	2.09	0.0197	0.0250	1.421	0.904	10.97	3.04	697
123	438.5	2.24	0.1716	0.0401	1.327	1.177	12.26	3.09	715
125	408.2	2.24	0.0400	0.0316	1.284	1.343	11.63	4.18	644
126	319.1	2.29	0.0166	0.0306	1.424	0.959	15.95	2.56	636
133	378.1	2.24	0.0143	0.0247	2.423	1.184	16.66	2.57	613
135	378.3	2.19	0.0132	0.0269	1.457	1.228	12.60	2.93	666
139	344.2	2.25	0.0108	0.0171	2.448	1.071	14.54	2.41	396
150	384.6	2.21	0.0553	0.0330	2.415	1.475	15.77	3.06	690

APPENDIX 8-2-M2-2

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Organ Weight Data (Grams)

Level and Sex : 10 ppm Male

Animals Killed in Extremis

Experimental No. 82014

Animal Number	Adrenals	Spleen	Testes	(Day)
101	0.0551	0.931	3.27	712
105	0.0640	0.849	0.98	665
110	0.0719	2.110	3.90	721
112	0.0581	0.545	1.81	537
115	0.0670	17.384	1.38	711
118	0.0432	67.690	0.90	519
119	0.0541	1.106	4.48	697
123	0.0666	0.596	2.35	715
125	0.1038	1.084	2.36	644
126	0.0607	0.887	2.69	636
133	0.0836	10.356	2.88	613
135	0.1002	0.863	1.94	666
139	0.0701	11.220	2.51	396
150	0.0544	2.274	1.55	690

APPENDIX 8-2-M3-1

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Organ Weight Data (Grams)

Level and Sex : 100 ppm Male

Animals Killed in Extremis

Experimental No. 82014

Animal Number	Final Body Weight	Brain	Pituitary	Thyroid	Lung	Heart	Liver	Kidneys	(Day)
204	730.8	2.18	0.0156	0.0289	1.275	1.161	21.13	2.83	631
223	404.3	2.21	0.0144	0.0317	1.495	1.265	14.80	1.53	463
244	399.5	2.17	0.0132	0.0216	1.751	1.254	13.83	2.53	694
245	352.3	2.03	0.2094	0.0252	1.642	1.163	14.80	3.40	671
247	586.5	2.15	0.0139	0.0566	1.183	1.167	13.59	2.60	540

APPENDIX 8-2-M3-2

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Organ Weight Data (Grams)

Level and Sex : 100 ppm Male

Animals Killed in Extremis

Experimental No. 82014

Animal Number	Adrenals	Spleen	Testes	(Day)
204	0.0620	1.102	3.19	631
223	0.1294	3.853	2.05	463
244	0.0556	13.055	4.65	694
245	0.0756	0.807	1.06	671
247	0.0230	0.948	2.98	540

APPENDIX 8-2-M4-1

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Organ Weight Data (Grams)

Level and Sex : 1000 ppm Male

Animals Killed in Extremis

Experimental No. 82014

Animal Number	Final Body Weight	Brain	Pituitary	Thyroid	Lung	Heart	Liver	Kidneys	(Day)
307	398.4	2.34	0.0108	0.0206	2.719	1.226	12.79	2.69	690
309	370.1	2.24	0.0079	0.0221	1.078	0.980	7.57	1.90	574
311	402.9	2.16	0.0191	0.0352	1.620	1.053	37.14	2.79	720
312	382.8	2.22	0.0171	0.0305	1.427	1.182	8.62	2.67	559
318	479.8	2.17	0.0161	0.0313	1.139	1.308	8.61	2.43	610
321	355.9	2.07	0.2447	0.0212	1.187	0.985	11.55	2.84	711
322	408.8	2.15	0.0165	0.0230	2.021	1.133	27.30	2.68	588
323	391.3	2.17	0.0256	0.0257	1.341	0.958	9.72	2.48	687
325	382.7	2.19	0.0229	0.0327	2.732	1.342	14.07	2.96	694
329	406.9	2.23	0.0216	0.0323	3.932	1.119	29.40	3.20	713
332	406.5	2.28	0.0156	0.0248	2.158	1.294	12.26	2.80	659
339	377.4	2.22	0.0201	0.0334	1.380	1.128	8.43	2.38	712
349	357.1	2.21	0.0268	0.0372	2.304	1.203	15.63	3.03	729

APPENDIX 8-2-M4-2

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Organ Weight Data (Grams)

Level and Sex : 1000 ppm Male

Animals Killed in Extremis

Experimental No. 82014

Animal Number	Adrenals	Spleen	Testes	(Day)
307	0.0829	12.486	2.52	690
309	0.0443	0.614	2.36	574
311	0.0911	4.699	1.70	720
312	0.0627	0.749	2.81	559
318	5.1000	1.297	3.91	610
321	0.0594	0.893	1.77	711
322	0.0621	9.733	2.10	588
323	0.0508	1.445	6.53	687
325	0.0740	5.355	3.10	694
329	0.0958	3.757	1.90	713
332	0.0506	5.584	2.39	659
339	0.0624	0.924	4.44	712
349	0.1029	1.644	4.82	729

APPENDIX 8-2-F1-1

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Organ Weight Data (Grams)

Level and Sex : 0 ppm Female

Animals Killed in Extremis

Experimental No. 82014

Animal Number	Final Body Weight	Brain	Pituitary	Thyroid	Lung	Heart	Liver	Kidneys	(Day)
1004	221.6	1.92	0.3364	0.0197	0.920	0.771	6.98	2.06	616
1005	220.1	2.05	0.3405	0.0219	1.012	0.878	7.08	2.25	691
1006	234.1	1.98	0.2319	0.0164	0.821	0.787	7.05	2.03	616
1007	194.6	1.94	0.0115	0.0175	0.838	0.806	5.24	1.70	596
1014	222.6	2.00	0.0172	0.0147	0.890	0.745	6.08	1.69	651
1015	291.8	1.93	0.1438	0.0213	0.795	0.874	6.46	1.68	547
1027	304.5	2.30	0.0186	0.0336	1.269	0.910	7.07	2.11	645
1028	299.1	2.00	0.0285	0.0235	1.919	0.851	15.71	2.05	687
1033	293.6	2.07	0.0223	0.0457	1.649	0.976	9.95	2.10	715
1036	275.9	2.07	0.0220	0.0342	0.930	0.865	7.14	1.85	694
1037	270.1	2.01	0.0174	0.0233	1.671	0.931	9.28	1.95	721
1043	289.4	2.04	0.0092	0.0244	1.464	0.838	13.95	2.31	708
1045	317.7	1.96	0.0151	0.0181	0.879	0.725	8.12	1.86	572
1049	198.8	1.96	0.0300	0.0168	1.471	0.914	8.85	2.08	686
1050	296.4	2.01	0.0136	0.0239	1.889	1.075	8.63	2.12	499
1051	258.6	1.97	0.0206	0.0176	1.925	1.027	14.76	2.10	733

APPENDIX 8-2-F1-2

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Organ Weight Data (Grams)

Level and Sex : 0 ppm Female

Animals Killed in Extremis

Experimental No. 82014

Animal Number	Adrenals	Spleen	Ovaries	(Day)
1004	0.0660	0.720	0.0281	616
1005	0.0772	0.784	0.0665	691
1006	0.0610	0.539	0.0326	616
1007	0.0684	0.487	0.0545	596
1014	0.0563	0.485	0.0639	651
1015	0.0578	0.407	0.0646	547
1027	0.0751	1.859	0.0646	645
1028	0.0634	5.994	0.0647	687
1033	0.0551	4.331	0.1574	715
1036	0.0797	0.620	0.0912	694
1037	0.0618	5.601	0.0551	721
1043	0.0875	6.486	0.0651	708
1045	0.0908	0.577	0.0627	572
1049	0.1120	0.399	0.0300	686
1050	0.0679	9.206	0.0902	499
1051	0.0781	9.849	0.0365	733

APPENDIX 8-2-F2-1

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Organ Weight Data (Grams)

Level and Sex : 10 ppm Female

Animals Killed in Extremis

Experimental No. 82014

Animal Number	Final Body Weight	Brain	Pituitary	Thyroid	Lung	Heart	Liver	Kidneys	(Day)
1105	262.5	1.98	0.2280	0.0195	0.912	0.907	8.23	2.15	722
1112	252.7	1.94	0.3058	0.0180	0.922	0.887	11.56	2.82	550
1119	282.8	1.96	0.0222	0.0196	1.910	1.114	8.73	1.99	561
1120	264.4	2.03	0.0602	0.0182	2.100	0.915	11.93	1.97	659
1121	498.2	1.97	0.0396	0.0298	1.060	1.035	15.65	2.46	687
1122	267.7	1.97	0.0200	0.0224	1.500	1.105	10.20	2.13	676
1124	328.3	2.01	0.0191	0.0208	1.349	1.018	10.47	2.10	735
1127	282.1	2.06	0.0172	0.0341	0.852	0.771	6.72	2.19	638
1129	256.2	1.97	0.1384	0.0184	0.772	0.766	7.19	1.82	659
1134	225.1	2.10	0.0583	0.0259	2.032	0.883	9.71	2.34	680
1137	280.7	2.06	0.0116	0.0254	1.792	1.097	11.06	1.84	713
1139	273.8	2.04	0.0211	0.0263	1.727	1.242	9.24	2.20	680
1140	270.8	2.02	0.0331	0.0265	2.124	0.922	13.84	2.48	721
1141	279.5	2.00	0.0362	0.0216	11.576	0.923	14.98	1.95	666
1147	254.2	2.01	0.0132	0.0190	1.581	1.074	7.02	2.02	629
1150	236.6	1.89	0.2531	0.0264	0.786	0.744	6.54	2.01	631
1152	261.7	2.03	0.0565	0.0291	0.927	0.919	8.08	2.07	729

APPENDIX 8-2-F2-2

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Organ Weight Data (Grams)

Level and Sex : 10 ppm Female

Animals Killed in Extremis

Experimental No. 82014

Animal Number	Adrenals	Spleen	Ovaries	(Day)
1105	0.0599	0.682	0.0423	722
1112	0.0818	0.810	0.0296	550
1119	0.0633	7.110	0.0594	561
1120	0.0673	13.346	0.0271	659
1121	0.1181	1.539	0.0418	687
1122	0.0766	4.497	0.0300	676
1124	0.0646	10.171	0.0316	735
1127	0.0792	0.475	0.0730	638
1129	0.0635	0.682	0.0351	659
1134	0.0673	5.339	0.0300	680
1137	0.0848	5.044	0.0605	713
1139	0.0525	14.033	0.0900	680
1140	0.0742	7.950	0.1233	721
1141	0.1003	11.607	0.0400	666
1147	0.0870	2.883	0.0742	629
1150	0.0703	0.484	0.0511	631
1152	0.0756	0.638	0.0860	729

APPENDIX 8-2-F3-1

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Organ Weight Data (Grams)

Level and Sex : 100 ppm Female

Animals Killed in Extremis

Experimental No. 82014

Animal Number	Final Body Weight	Brain	Pituitary	Thyroid	Lung	Heart	Liver	Kidneys	(Day)
1202	265.7	1.94	0.0260	0.0226	1.502	1.032	15.94	2.06	657
1207	292.2	1.93	0.0343	0.0205	1.745	1.091	11.29	1.90	666
1209	266.1	1.99	0.0218	0.0228	1.617	0.788	19.05	2.24	658
1212	224.4	2.00	0.2006	0.0233	0.953	0.928	7.00	2.13	617
1215	201.3	1.95	0.3803	0.0171	0.791	0.651	5.44	1.58	427
1218	256.0	2.02	0.0442	0.0380	0.969	0.878	9.16	2.06	728
1221	247.5	1.90	0.0160	0.0188	1.502	0.748	11.64	1.81	560
1223	239.1	1.95	0.0176	0.0427	2.032	1.081	10.54	2.03	720
1225	285.6	2.04	0.0222	0.0309	3.027	0.989	11.79	2.26	718
1226	302.4	1.97	0.0250	0.0270	0.975	1.036	12.78	2.72	732
1227	241.3	2.10	0.0679	0.0319	0.762	0.707	6.19	1.84	575
1230	220.9	1.94	0.0104	0.0170	0.789	0.516	6.47	1.41	607
1235	264.1	1.94	0.0195	0.0155	1.341	1.349	8.98	2.04	665
1236	283.0	1.88	0.0144	0.0268	0.927	0.946	6.80	2.22	727
1244	248.5	1.97	0.0204	0.0236	1.040	0.708	8.08	1.78	609

APPENDIX 8-2-F3-2

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Organ Weight Data (Grams)

Level and Sex : 100 ppm Female

Animals Killed in Extremis

Experimental No. 82014

Animal Number	Adrenals	Spleen	Ovaries	(Day)
1202	0.0454	4.113	0.0335	657
1207	0.0589	8.073	0.0400	666
1209	0.0775	10.547	0.0825	658
1212	0.0734	0.613	0.0525	617
1215	0.0562	0.362	0.0259	427
1218	0.0714	0.487	0.0813	728
1221	0.0861	11.600	0.1681	560
1223	0.0581	12.941	0.0243	720
1225	0.0738	12.746	0.0358	718
1226	0.1071	0.537	0.0871	732
1227	0.0665	0.434	0.0377	575
1230	0.0640	0.267	M	607
1235	0.0701	4.180	0.0336	665
1236	0.0791	0.261	0.0532	727
1244	0.0796	1.145	0.0426	609

M : Not measured because of operational mistake

APPENDIX 8-2-F4-1

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Organ Weight Data (Grams)

Level and Sex : 1000 ppm Female

Animals Killed in Extremis

Experimental No. 82014

Animal Number	Final Body Weight	Brain	Pituitary	Thyroid	Lung	Heart	Liver	Kidneys	(Day)
1305	211.5	1.96	0.0297	0.0230	1.350	0.893	8.35	2.16	690
1308	409.8	2.01	0.0150	0.0263	1.218	0.893	18.43	2.22	722
1309	304.0	2.02	0.0199	0.0291	1.973	0.922	15.19	2.50	732
1311	305.6	1.98	0.0164	0.0261	0.871	0.737	7.74	1.88	671
1312	283.7	2.02	0.0225	0.0318	1.088	1.267	10.80	2.12	652
1318	345.2	2.06	0.0217	0.0397	0.952	0.751	9.88	2.13	632
1319	256.8	2.02	0.0421	0.0334	1.398	1.252	8.53	1.89	735
1325	243.5	1.99	0.0170	0.0303	1.201	0.820	10.79	2.43	683
1328	289.4	1.85	0.2604	0.0186	0.912	0.884	11.26	2.32	736
1333	283.2	2.00	0.0181	0.0262	0.975	0.850	7.87	1.94	736
1335	251.9	1.92	0.2164	0.0165	0.930	0.814	8.68	2.02	728
1337	327.4	1.94	0.0368	0.0251	0.783	0.935	8.54	1.97	694
1344	273.5	2.01	0.0419	0.0208	1.257	0.824	7.31	1.89	718

APPENDIX 8-2-F4-2

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Organ Weight Data (Grams)

Level and Sex : 1000 ppm Female

Animals Killed in Extremis

Experimental No. 82014

Animal	Adrenals	Spleen	Ovaries	(Day)
1305	0.0777	5.132	0.0558	690
1308	0.0778	3.207	0.0567	722
1309	0.1075	7.584	0.1373	732
1311	0.0677	0.593	0.0700	671
1312	0.1370	5.256	0.0726	652
1318	0.1036	1.189	0.1133	632
1319	0.0578	0.107	0.0458	735
1325	0.1208	2.764	0.0700	683
1328	0.0743	0.601	0.0189	736
1333	1.3693	0.669	0.0443	736
1335	0.0559	0.591	0.0271	728
1337	0.0807	0.500	0.0484	694
1344	0.0443	8.274	0.2606	718

APPENDIX 9-1-M1-1

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Organ Weight/Body Weight Ratio Data---g/100g

Level and Sex : 0 ppm Male

Animals Killed on Schedule (104 Week)

Experimental No. 82014

Animal Number	Final Body Weight (g)	Brain	Pituitary	Thyroid	Lung	Heart	Liver	Kidneys	(Day)
1	444.3	0.50	0.0038	L 0.0033	0.290	0.263	3.19	0.62	733
2	417.6	0.55	0.0045	0.0065	0.461	0.269	3.97	0.65	733
3	479.7	0.47	0.0031	0.0054	0.270	0.240	3.02	0.60	733
4	452.2	0.51	0.0041	0.0048	0.259	0.297	3.01	0.60	733
5	478.5	0.47	0.0038	0.0064	0.435	0.275	3.77	0.69	733
6	453.7	0.48	0.0038	0.0079	0.289	0.263	2.85	0.61	733
9	430.0	0.52	0.0039	0.0064	0.306	0.256	3.11	0.64	733
11	444.5	0.51	0.0042	L 0.0043	0.269	0.266	3.30	0.64	733
12	475.7	0.49	0.0049	0.0061	0.302	0.263	3.63	0.69	733
14	450.2	0.47	0.0037	0.0063	0.402	0.240	3.63	0.66	734
15	381.2	0.54	0.0224	0.0089	0.315	0.265	2.97	0.72	734
17	504.1	0.47	0.0035	0.0052	0.246	0.241	3.14	0.56	734
18	500.7	0.45	0.0047	0.0065	0.288	0.250	3.01	0.58	734
19	460.9	0.49	0.0032	0.0085	0.276	0.255	3.34	0.61	734
20	468.5	0.48	0.0043	0.0281	0.287	0.273	2.86	0.64	734
23	455.4	0.51	0.0309	0.0075	0.307	0.271	2.95	0.67	734
25	467.8	0.49	0.0040	L 0.0032	0.273	0.241	3.17	0.64	734
26	514.8	0.43	0.0270	0.0064	0.236	0.246	2.60	0.59	734
28	478.6	0.47	0.0034	0.0078	0.272	0.237	3.46	0.60	735
30	442.1	0.47	0.0034	0.0039	0.264	0.245	3.05	0.56	735
31	439.1	0.51	0.0044	0.0074	0.287	0.273	3.37	0.66	735
32	482.3	0.46	0.0039	0.0070	0.256	0.239	3.37	0.62	735

L : Excluded from statistical calculations because of loss of the unilateral organ

APPENDIX 9-1-M1-1 CONTINUED

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Organ Weight/Body Weight Ratio Data---g/100g

Level and Sex : 0 ppm Male

Animals Killed on Schedule (104 Week)

Experimental No. 82014

Animal Number	Final Body Weight (g)	Brain	Pituitary	Thyroid	Lung	Heart	Liver	Kidneys	(Day)
33	479.3	0.47	0.0044	0.0063	0.271	0.259	2.99	0.63	735
35	476.0	0.47	0.0083	0.0073	0.278	0.264	3.19	0.62	735
36	485.4	0.48	0.0061	0.0072	0.292	0.261	3.45	0.65	735
37	437.7	0.53	0.0440	0.0051	0.640	0.254	4.20	0.77	735
38	480.8	0.46	0.0045	0.0069	0.293	0.297	3.27	0.64	735
39	454.4	0.48	0.0053	0.0060	0.349	0.257	3.27	0.66	736
40	486.9	0.45	0.0049	0.0053	0.274	0.246	3.39	0.61	736
41	438.6	0.51	0.0044	0.0061	0.302	0.267	3.33	0.62	736
42	484.3	0.45	0.0048	0.0054	0.266	0.248	3.34	0.59	736
45	494.7	0.46	0.0039	0.0071	0.277	0.234	3.23	0.62	736
46	459.2	0.48	0.0037	0.0072	0.321	0.243	3.29	0.65	736
47	487.1	0.45	0.0036	0.0070	0.270	0.223	3.36	0.62	736
48	458.8	0.47	0.0037	0.0056	0.269	0.231	3.09	0.56	736
51	418.5	0.54	0.0048	0.0083	0.304	0.303	3.10	0.79	736
Mean	462.88	0.484	0.00726	0.00721	0.3054	0.2571	3.258	0.636	
N	36	36	36	33	36	36	36	36	
S.D.	27.412	0.0287	0.009010	0.003913	0.07455	0.01837	0.3127	0.0508	

APPENDIX 9-1-M1-2

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Organ Weight/Body Weight Ratio Data---g/100g

Level and Sex : 0 ppm Male

Animals Killed on Schedule (104 Week)

Experimental No. 82014

Animal Number	Adrenals	Spleen	Testes	(Day)
1	L 0.0057	0.227	1.06	733
2	0.0127	1.488	1.00	733
3	0.0128	0.319	0.76	733
4	0.0102	0.251	1.11	733
5	0.0104	1.106	0.81	733
6	0.0131	0.255	1.55	733
9	0.0115	0.223	1.35	733
11	0.0150	0.218	1.09	733
12	0.0120	0.307	1.55	733
14	0.0122	0.603	0.73	734
15	0.0142	0.189	0.19	734
17	0.0106	0.237	0.83	734
18	0.0126	0.228	0.63	734
19	0.0127	0.250	1.09	734
20	0.0116	0.286	1.28	734
23	0.0134	0.214	0.67	734
25	0.0136	0.249	1.27	734
26	0.0157	0.201	0.47	734
28	0.0106	0.248	1.15	735
30	0.0135	0.251	1.35	735
31	0.0139	0.320	1.14	735
32	0.1166	0.238	0.95	735

L : Excluded from statistical calculations because of loss of the unilateral organ

APPENDIX 9-1-M1-2 CONTINUED

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Organ Weight/Body Weight Ratio Data---g/100g

Level and Sex : 0 ppm Male

Animals Killed on Schedule (104 Week)

Experimental No. 82014

Animal Adrenals Spleen Testes

Number

(Day)

33	0.0122	0.221	0.79	735
35	0.0124	0.219	1.21	735
36	0.0128	0.287	1.28	735
37	0.0161	1.830	0.37	735
38	0.0125	0.218	0.97	735
39	0.0141	0.314	0.60	736
40	0.0127	0.236	1.61	736
41	0.0121	0.264	1.50	736
42	0.0117	0.288	1.59	736
45	0.0145	0.268	0.94	736
46	0.0125	0.313	1.15	736
47	0.0097	0.249	1.13	736
48	0.0138	0.264	1.42	736
51	0.0154	0.236	1.16	736

Mean	0.01575	0.3643	1.049	
N	35	36	36	
S.D.	0.017614	0.35679	0.3509	

APPENDIX 9-1-M2-1

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Organ Weight/Body Weight Ratio Data---g/100g

Level and Sex : 10 ppm Male

Animals Killed on Schedule (104 Week)

Experimental No. 82014

Animal Number	Final Body Weight (g)	Brain	Pituitary	Thyroid	Lung	Heart	Liver	Kidneys	(Day)
102	424.5	0.53	0.0047	0.0067	0.310	0.249	3.31	0.68	733
103	428.4	0.51	0.0040	0.0062	0.346	0.270	3.72	0.71	733
104	502.7	0.45	0.0070	0.0062	0.260	0.228	3.14	0.67	733
106	454.4	0.48	0.0037	0.0066	0.286	0.250	3.20	0.61	733
107	482.9	0.48	0.0068	0.0067	0.279	0.261	3.06	0.58	733
108	449.1	0.50	0.0228	0.0055	0.300	0.252	3.05	0.72	733
111	465.0	0.50	0.0031	0.0051	0.323	0.260	2.94	0.61	733
113	431.6	0.52	0.0047	0.0160	0.285	0.237	3.47	0.78	733
114	464.5	0.49	0.0043	0.0068	0.271	0.237	3.07	0.62	733
116	452.5	0.51	0.0040	0.0067	0.270	0.249	3.14	0.61	734
117	438.5	0.51	0.0040	0.0058	0.275	0.258	2.99	0.60	734
120	410.2	0.46	0.0047	0.0068	0.272	0.282	3.60	0.70	734
121	464.2	0.48	0.0045	0.0056	0.280	0.265	3.20	0.66	734
122	581.9	0.40	0.0037	0.0051	0.245	0.217	3.04	0.55	734
124	443.8	0.52	0.0040	0.0080	0.294	0.243	3.51	0.67	734
127	486.2	0.48	0.0238	0.0057	0.285	0.268	3.21	0.68	734
128	455.0	0.49	0.0039	0.0069	0.262	0.239	3.34	0.60	734
129	469.0	0.48	0.0024	0.0057	0.269	0.230	2.90	0.63	734
130	420.0	0.52	0.0033	0.0065	0.287	0.241	3.10	0.62	735
131	409.7	0.54	0.0652	0.0096	0.336	0.284	3.62	0.92	735
134	475.1	0.46	0.0036	0.0065	0.286	0.261	3.20	0.60	735
137	422.1	0.50	0.0040	0.0058	0.279	0.248	3.31	0.63	735

APPENDIX 9-1-M2-1 CONTINUED

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Organ Weight/Body Weight Ratio Data---g/100g

Level and Sex : 10 ppm Male

Animals Killed on Schedule (104 Week)

Experimental No. 82014

Animal Number	Final Body Weight (g)	Brain	Pituitary	Thyroid	Lung	Heart	Liver	Kidneys	(Day)
138	475.5	0.48	0.0038	0.0068	0.246	0.256	3.52	0.67	735
140	486.5	0.46	0.0043	0.0066	0.289	0.297	3.19	0.58	735
141	472.0	0.47	0.0043	0.0074	0.296	0.265	3.26	0.62	735
142	425.6	0.53	0.0159	0.0092	0.311	0.272	3.38	0.64	735
143	489.6	0.47	0.0032	0.0070	0.269	0.258	2.86	0.65	736
144	467.1	0.49	0.0042	0.0067	0.320	0.320	3.56	0.63	736
145	451.3	0.51	0.0102	0.0063	0.309	0.327	3.62	0.70	736
147	446.0	0.52	0.0053	0.0097	0.290	0.266	3.92	0.82	736
148	425.1	0.51	0.0038	0.0077	0.275	0.262	3.31	0.68	736
149	444.1	0.49	0.0036	0.0078	0.308	0.260	3.61	0.66	736
151	434.9	0.50	0.0041	0.0059	0.294	0.381	3.31	0.68	736
152	460.2	0.50	0.0039	0.0076	0.283	0.267	3.40	0.64	736
Mean	456.15	0.492	0.00761	0.00704	0.2879	0.2635	3.296	0.659	
N	34	34	34	34	34	34	34	34	
S.D.	32.752	0.0277	0.011353	0.001942	0.02292	0.03098	0.2535	0.0719	

APPENDIX 9-1-M2-2

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Organ Weight/Body Weight Ratio Data---g/100g

Level and Sex : 10 ppm Male

Animals Killed on Schedule (104 Week)

Experimental No. 82014

Animal Adrenals Spleen Testes

Number

(Day)

102	0.0125	0.325	0.99	733
103	0.0142	0.274	1.05	733
104	0.0129	0.246	0.52	733
106	0.0126	0.193	1.01	733
107	0.0126	0.239	0.69	733
108	0.0159	0.309	0.50	733
111	0.0126	0.332	1.26	733
113	0.0142	0.265	0.95	733
114	0.0135	0.213	0.92	733
116	0.0122	0.231	0.95	734
117	0.0121	0.212	1.43	734
120	0.0127	0.360	1.19	734
121	0.0124	0.305	1.51	734
122	0.0102	0.288	1.50	734
124	0.0144	0.258	1.17	734
127	0.0146	0.253	0.94	734
128	0.0111	0.237	1.23	734
129	0.0111	0.258	0.86	734
130	0.0111	0.245	1.26	735
131	0.0193	0.244	0.40	735
134	0.0120	0.222	0.65	735
137	0.0125	0.262	1.65	735

APPENDIX 9-1-M2-2 CONTINUED

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Organ Weight/Body Weight Ratio Data---g/100g

Level and Sex : 10 ppm Male

Animals Killed on Schedule (104 Week)

Experimental No. 82014

Animal	Adrenals	Spleen	Testes	(Day)
138	0.0131	0.287	0.95	735
140	0.0134	0.318	0.97	735
141	0.1111	0.272	1.09	735
142	0.0118	0.299	0.69	735
143	0.0124	0.257	1.21	736
144	0.0137	0.351	0.78	736
145	0.0136	0.312	1.11	736
147	0.0143	0.321	1.11	736
148	0.0133	0.229	1.51	736
149	0.0129	0.421	1.37	736
151	0.0144	0.387	1.31	736
152	0.0116	0.223	1.08	736
Mean	0.01595	0.2779	1.053	
N	34	34	34	
S.D.	0.016891	0.05275	0.3062	

APPENDIX 9-1-M3-1

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Organ Weight/Body Weight Ratio Data---g/100g

Level and Sex : 100 ppm Male

Animals Killed on Schedule (104 Week)

Experimental No. 82014

Animal Number	Final Body Weight (g)	Brain	Pituitary	Thyroid	Lung	Heart	Liver	Kidneys	(Day)
201	370.6	0.56	0.0053	0.0080	0.307	0.284	3.89	0.76	733
202	465.5	0.49	0.0043	0.0055	0.291	0.270	3.32	0.60	733
205	417.1	0.55	0.0044	0.0065	0.570	0.281	4.85	0.71	733
206	462.7	0.48	0.0267	0.0056	0.280	0.232	3.23	0.66	733
207	459.8	0.50	0.0262	0.0069	0.288	0.261	2.78	0.65	733
208	456.2	0.48	0.0046	0.0068	0.274	0.255	2.99	0.58	733
209	452.9	0.51	0.0104	0.0067	0.289	0.257	3.14	0.65	733
210	415.5	0.52	0.0043	0.0072	0.349	0.260	3.40	0.66	733
211	440.7	0.51	0.0050	0.0066	0.278	0.260	3.06	0.61	733
212	448.9	0.50	0.0062	0.0069	0.273	0.254	3.29	0.65	734
213	478.3	0.47	0.0035	0.0048	0.267	0.291	2.99	0.60	734
214	437.7	0.52	0.0196	0.0072	0.275	0.261	3.08	0.67	734
215	439.9	0.50	0.0052	0.0070	0.270	0.259	3.10	0.62	734
216	434.9	0.53	0.0063	0.0069	0.298	0.266	3.56	0.66	734
217	431.5	0.51	0.0048	0.0073	0.345	0.247	3.33	0.64	734
218	444.4	0.51	0.0047	0.0076	0.288	0.246	3.09	0.66	734
219	514.6	0.44	0.0037	0.0061	0.248	0.231	2.99	0.57	734
222	478.6	0.47	0.0038	0.0055	0.290	0.250	3.51	0.61	734
224	438.9	0.50	0.0049	0.0082	0.267	0.258	3.02	0.63	735
225	363.9	0.58	0.0486	0.0086	0.309	0.295	3.06	0.81	735
226	449.3	0.50	0.0021	0.0077	0.349	0.251	3.21	0.63	735
227	449.5	0.50	0.0041	0.0070	0.283	0.247	3.37	0.60	735

APPENDIX 9-1-M3-1 CONTINUED

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Organ Weight/Body Weight Ratio Data---g/100g

Level and Sex : 100 ppm Male

Animals Killed on Schedule (104 Week)

Experimental No. 82014

Animal Number	Final Body Weight (g)	Brain	Pituitary	Thyroid	Lung	Heart	Liver	Kidneys	(Day)
228	484.4	0.45	0.0047	0.0481	0.274	0.231	3.33	0.56	735
229	437.4	0.49	0.0033	0.0050	0.286	0.248	3.06	0.66	735
230	444.4	0.48	0.0351	0.0058	0.287	0.252	3.11	0.69	735
231	480.8	0.47	0.0036	0.0063	0.312	0.249	3.42	0.61	735
232	520.9	0.44	0.0038	0.0063	0.262	0.257	3.06	0.62	735
233	394.7	0.55	0.0053	0.1879	0.329	0.259	4.03	1.06	735
234	475.9	0.46	0.0040	0.0072	0.260	0.240	2.96	0.65	735
235	472.4	0.48	0.0032	0.0059	0.291	0.253	3.12	0.64	735
236	482.2	0.45	0.0329	0.0053	0.299	0.276	3.39	0.75	736
237	348.4	0.64	0.0144	0.0063	0.896	0.315	3.97	0.80	736
238	460.6	0.49	0.0032	0.0069	0.284	0.248	3.01	0.62	736
239	486.3	0.46	0.0033	0.0055	0.255	0.242	2.98	0.58	736
240	429.6	0.50	0.0042	0.0073	0.263	0.261	3.51	0.74	736
241	470.5	0.45	0.0041	0.0057	0.262	0.236	3.08	0.59	736
243	464.5	0.46	0.0153	0.0050	0.278	0.247	3.16	0.64	736
246	450.6	0.49	0.0084	0.0072	0.275	0.249	2.61	0.61	736
249	415.4	0.55	0.0045	0.0079	0.339	0.317	3.54	0.71	736
250	491.3	0.45	0.0022	0.0046	0.240	0.233	2.98	0.59	736
251	445.4	0.50	0.0032	0.0050	0.279	0.239	3.32	0.66	736
252	472.5	0.47	0.0039	0.0054	0.264	0.248	3.73	0.74	736
Mean	449.51	0.497	0.00884	0.01179	0.3077	0.2575	3.277	0.661	
N	42	42	42	42	42	42	42	42	
S.D.	35.692	0.0402	0.010342	0.028585	0.10597	0.01994	0.3890	0.0868	

APPENDIX 9-1-M3-2

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Organ Weight/Body Weight Ratio Data---g/100g

Level and Sex : 100 ppm Male

Animals Killed on Schedule (104 Week)

Experimental No. 82014

Animal Adrenals Spleen Testes

Number

(Day)

201	0.0185	0.230	0.36	733
202	0.0137	0.358	0.88	733
205	0.0132	2.830	0.83	733
206	0.0135	0.211	0.67	733
207	0.0141	0.193	0.59	733
208	0.0111	0.216	1.45	733
209	0.0133	0.256	1.09	733
210	0.0122	0.311	1.03	733
211	0.0120	0.244	1.20	733
212	0.0142	0.224	0.99	733
213	0.0129	0.268	0.55	734
214	0.0144	0.237	0.97	734
215	0.0138	0.227	1.01	734
216	0.0132	0.602	1.08	734
217	0.0124	0.996	1.16	734
218	0.0102	0.280	0.96	734
219	0.0096	0.239	1.21	734
222	0.0125	0.258	1.14	734
224	0.0130	0.258	0.98	735
225	0.0181	0.191	0.69	735
226	0.0114	0.513	1.24	735
227	0.0122	0.230	1.39	735

APPENDIX 9-1-M3-2 CONTINUED

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Organ Weight/Body Weight Ratio Data---g/100g

Level and Sex : 100 ppm Male

Animals Killed on Schedule (104 Week)

Experimental No. 82014

Animal Number	Adrenals	Spleen	Testes	(Day)
228	0.0123	0.337	1.76	735
229	0.0110	0.249	1.29	735
230	0.0141	0.203	0.54	735
231	0.0108	0.296	0.84	735
232	0.0145	0.234	0.46	735
233	0.0164	0.367	1.03	735
234	0.0138	0.212	1.60	735
235	0.0118	0.275	0.88	735
236	0.0114	0.172	0.55	736
237	0.0239	0.730	0.52	736
238	0.0126	0.246	1.23	736
239	0.0108	0.254	1.06	736
240	0.0149	0.237	0.70	736
241	0.0110	0.275	1.12	736
243	0.0241	0.213	0.77	736
246	0.0161	0.195	0.76	736
249	0.0147	0.451	1.71	736
250	0.0116	0.230	0.39	736
251	0.0108	0.260	1.64	736
252	0.0149	0.406	1.19	736
Mean	0.01360	0.3622	0.988	
N	42	42	42	
S.D.	0.003055	0.42023	0.3553	

APPENDIX 9-1-M4-1

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Organ Weight/Body Weight Ratio Data---g/100g

Level and Sex : 1000 ppm Male

Animals Killed on Schedule (104 Week)

Experimental No. 82014

Animal Number	Final Body Weight (g)	Brain	Pituitary	Thyroid	Lung	Heart	Liver	Kidneys	(Day)
301	435.1	0.51	0.0053	0.0066	0.280	0.261	3.04	0.65	733
302	446.1	0.50	0.0043	0.0060	0.282	0.248	2.99	0.64	733
303	481.0	0.47	0.0054	0.0087	0.271	0.261	2.67	0.61	733
304	453.1	0.49	0.0040	0.0054	0.277	0.254	3.04	0.62	733
305	492.4	0.45	0.0032	0.0057	0.227	0.212	3.00	0.52	733
306	473.3	0.49	0.0027	0.0073	0.286	0.226	3.21	0.61	733
308	469.8	0.48	0.0048	0.0084	0.302	0.266	2.99	0.61	733
310	486.9	0.47	0.0068	0.0062	0.266	0.223	2.68	0.59	733
313	437.3	0.51	0.0043	0.0077	0.284	0.246	3.16	0.68	733
314	441.9	0.51	0.0046	0.0064	0.309	0.243	3.89	0.76	734
315	498.0	0.44	0.0027	0.0072	0.278	0.235	2.86	0.57	734
316	507.1	0.45	0.0042	0.0054	0.342	0.257	2.69	0.53	734
317	486.3	0.47	0.0055	0.0074	0.285	0.240	2.88	0.62	734
320	468.4	0.48	0.0045	0.0077	0.279	0.262	3.02	0.64	734
326	479.4	0.48	0.0048	0.0079	0.284	0.244	3.16	0.60	734
327	450.4	0.49	0.0046	0.0065	0.279	0.246	2.92	0.61	734
328	472.7	0.47	0.0034	0.0071	0.276	0.261	3.32	0.64	734
330	461.7	0.47	0.0051	0.0071	0.333	0.245	3.51	0.62	734
331	504.1	0.45	0.0033	0.0052	0.256	0.243	2.74	0.58	735
333	502.8	0.43	0.0026	0.0055	0.249	0.237	2.90	0.56	735
335	464.8	0.46	0.0045	0.0065	0.270	0.236	2.93	0.58	735
336	443.1	0.50	0.0044	0.0076	0.311	0.263	3.52	0.69	735

APPENDIX 9-1-M4-1 CONTINUED

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Organ Weight/Body Weight Ratio Data---g/100g

Level and Sex : 1000 ppm Male

Animals Killed on Schedule (104 Week)

Experimental No. 82014

Animal Number	Final Body Weight (g)	Brain	Pituitary	Thyroid	Lung	Heart	Liver	Kidneys	(Day)
337	477.5	0.48	0.0137	0.0069	0.267	0.265	3.32	0.73	735
338	487.7	0.47	0.0044	0.0210	0.315	0.275	3.34	0.79	735
340	500.8	0.46	0.0041	0.0069	0.271	0.288	2.85	0.62	735
341	483.8	0.47	0.0027	0.0073	0.261	0.242	2.66	0.66	735
342	499.7	0.47	0.0040	0.0061	0.294	0.294	3.20	0.58	736
343	494.9	0.44	0.0040	0.0053	0.294	0.219	3.26	0.48	736
344	483.3	0.47	0.0046	0.0083	0.285	0.236	3.37	0.59	736
345	472.2	0.48	0.0027	0.0062	0.279	0.253	3.22	0.59	736
346	480.0	0.46	0.0039	0.0051	0.275	0.263	3.24	0.56	736
347	468.4	0.49	0.0187	0.0048	0.408	0.231	3.74	0.56	736
348	455.8	0.48	0.0041	0.0057	0.315	0.253	3.68	0.65	736
351	450.0	0.49	0.0040	0.0069	0.269	0.277	3.26	0.69	736
Mean	473.82	0.474	0.00488	0.00706	0.2870	0.2501	3.125	0.619	
N	34	34	34	34	34	34	34	34	
S.D.	20.759	0.0202	0.003077	0.002665	0.03120	0.01855	0.3116	0.0646	

APPENDIX 9-1-M4-2

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Organ Weight/Body Weight Ratio Data---g/100g

Level and Sex : 1000 ppm Male

Animals Killed on Schedule (104 Week)

Experimental No. 82014

Animal Number	Adrenals	Spleen	Testes	(Day)
301	0.0126	0.223	0.75	733
302	0.0105	0.245	0.47	733
303	0.0115	0.244	1.05	733
304	0.0124	0.273	0.58	733
305	0.0105	0.229	2.19	733
306	0.0141	0.224	1.05	733
308	0.0109	0.270	0.90	733
310	0.0110	0.260	0.92	733
313	0.0136	0.254	1.59	733
314	0.0224	0.274	0.79	733
315	0.0083	0.179	0.55	734
316	0.0104	0.293	1.23	734
317	0.0110	0.266	0.97	734
320	0.0113	0.240	0.89	734
326	0.0110	0.225	1.16	734
327	0.0104	0.276	1.33	734
328	0.0104	0.319	1.53	734
330	0.0134	0.387	0.62	734
331	0.0129	0.296	0.55	734
333	0.0091	0.261	1.09	735
335	0.0114	0.241	1.33	735
336	0.0130	0.284	1.43	735

APPENDIX 9-1-M4-2 CONTINUED

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Organ Weight/Body Weight Ratio Data---g/100g

Level and Sex : 1000 ppm Male

Animals Killed on Schedule (104 Week)

Experimental No. 82014

Animal Number	Adrenals	Spleen	Testes	(Day)
337	0.0234	0.223	0.64	735
338	0.0152	0.266	1.18	735
340	0.0118	0.226	0.51	735
341	0.0107	0.191	0.43	735
342	0.0118	0.324	1.49	736
343	0.0102	0.277	1.24	736
344	0.0124	0.292	1.39	736
345	0.0112	0.265	0.74	736
346	0.0107	0.279	0.89	736
347	0.0133	1.053	0.71	736
348	0.0116	0.483	1.13	736
351	0.6743	0.283	1.36	736

Mean 0.03173 0.2919 1.020
N 34 34
S.D. 0.113581 0.14498 0.3953

APPENDIX 9-1-F1-1

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Organ Weight/Body Weight Ratio Data---g/100g

Level and Sex : 0 ppm Female

Animals Killed on Schedule (104 Week)

Experimental No. 82014

Animal Number	Final Body Weight (g)	Brain	Pituitary	Thyroid	Lung	Heart	Liver	Kidneys	(Day)
1001	306.1	0.64	0.0056	0.0106	0.275	0.310	3.33	0.68	740
1002	303.0	0.68	0.0064	0.0103	0.376	0.379	3.39	0.73	740
1003	341.4	0.60	0.0077	0.0085	0.282	0.260	3.23	0.67	740
1008	333.2	0.60	0.0166	0.0085	0.281	0.273	3.61	0.77	740
1009	277.6	0.74	0.1026	0.0086	0.395	0.317	3.08	0.76	740
1010	381.3	0.54	0.0083	0.0087	0.256	0.277	3.22	0.65	740
1013	284.9	0.72	0.0065	0.0092	0.319	0.301	2.89	0.70	740
1016	310.0	0.66	0.0040	0.0070	0.273	0.272	2.90	0.63	740
1018	317.5	0.63	0.0055	0.0080	0.277	0.284	3.04	0.65	740
1019	275.0	0.72	0.0040	0.0084	0.307	0.319	3.21	0.75	741
1020	367.0	0.54	0.0068	0.0071	0.241	0.275	2.68	0.59	741
1021	333.7	0.57	0.0049	0.0081	0.258	0.268	2.64	0.61	741
1022	318.3	0.63	0.0052	0.0085	0.284	0.278	2.91	0.61	741
1023	315.2	0.62	0.0062	0.0091	0.450	0.308	3.52	0.63	741
1024	294.5	0.69	0.0064	0.0113	0.317	0.303	3.22	0.67	741
1025	330.5	0.60	0.0426	0.0081	0.293	0.304	3.40	0.74	741
1026	348.3	0.59	0.0049	0.0114	0.273	0.255	2.97	0.59	741
1029	338.2	0.59	0.0096	0.0087	0.255	0.259	2.81	0.62	741
1030	369.2	0.55	0.0058	0.0111	0.257	0.239	2.66	0.57	742
1031	315.7	0.63	0.0070	0.0081	0.313	0.293	4.12	0.61	742
1032	290.2	0.68	0.0047	0.0076	0.280	0.270	2.83	0.65	742
1034	371.6	0.55	0.0096	0.0078	0.290	0.251	3.44	0.68	742

APPENDIX 9-1-F1-1 CONTINUED

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Organ Weight/Body Weight Ratio Data---g/100g

Level and Sex : 0 ppm Female

Animals Killed on Schedule (104 Week)

Experimental No. 82014

Animal Number	Final Body Weight (g)	Brain	Pituitary	Thyroid	Lung	Heart	Liver	Kidneys	(Day)
1035	280.1	0.71	0.0064	0.0091	0.670	0.334	5.55	0.81	742
1038	292.6	0.68	0.0105	0.0111	0.470	0.357	3.37	0.76	742
1039	336.8	0.61	0.0062	0.0068	0.278	0.264	2.86	0.67	742
1040	343.8	0.58	0.0076	0.0065	0.281	0.263	2.98	0.61	743
1042	324.9	0.62	0.0051	0.0079	0.289	0.263	3.24	0.64	743
1046	321.0	0.60	0.0234	0.0064	0.314	0.277	2.94	0.63	743
1047	356.7	0.56	0.0072	0.0070	0.279	0.245	3.22	0.71	743
1048	321.2	0.62	0.0043	0.0075	0.319	0.314	2.95	0.69	743
1052	327.9	0.62	0.0353	0.0074	0.341	0.275	3.60	0.73	743
Mean	323.46	0.625	0.01248	0.00853	0.3159	0.2867	3.220	0.671	
N	31	31	31	31	31	31	31	31	
S.D.	28.632	0.0558	0.018904	0.001427	0.08464	0.03225	0.5414	0.0616	

APPENDIX 9-1-Fl-2

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Organ Weight/Body Weight Ratio Data---g/100g

Level and Sex : 0 ppm Female

Animals Killed on Schedule (104 Week)

Experimental No. 82014

Animal Number	Adrenals	Spleen	Ovaries	(Day)
1001	0.0217	0.164	0.024	740
1002	0.0212	0.569	0.029	740
1003	0.0188	0.333	0.021	740
1008	0.0196	0.219	0.022	740
1009	0.0232	0.266	0.014	740
1010	0.0194	0.246	0.019	740
1013	0.0171	0.154	0.022	740
1016	0.0194	0.170	0.018	740
1018	0.0084	0.177	0.029	740
1019	0.0260	0.304	0.026	740
1020	0.0160	0.162	0.018	741
1021	0.0191	0.168	0.024	741
1022	0.0179	0.190	0.026	741
1023	0.0221	1.191	0.027	741
1024	0.0234	0.242	0.027	741
1025	0.0216	0.162	0.015	741
1026	0.0181	0.233	0.072	741
1029	0.0179	0.161	0.028	741
1030	0.0149	0.168	0.022	742
1031	0.0207	0.207	0.030	742
1032	0.0169	0.184	0.022	742
1034	0.0194	0.341	0.021	742

L : Excluded from statistical calculations because of loss of the unilateral organ

APPENDIX 9-1-F1-2 CONTINUED

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Organ Weight/Body Weight Ratio Data---g/100g

Level and Sex : 0 ppm Female

Animals Killed on Schedule (104 Week)

Experimental No. 82014

Animal Number	Adrenals	Spleen	Ovaries	(Day)
1035	0.0222	2.442	0.023	742
1038	0.0183	0.788	0.014	742
1039	0.0179	0.167	0.021	742
1040	0.0201	0.179	0.020	743
1042	0.0215	0.195	0.036	743
1046	0.0180	0.264	0.022	743
1047	0.0188	0.209	0.022	743
1048	0.0226	0.173	0.022	743
1052	0.0257	0.250	0.014	743

Mean	0.01998	0.3445	0.0242
N	30	31	31
S.D.	0.002656	0.44431	0.01021

APPENDIX 9-1-F2-1

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Organ Weight/Body Weight Ratio Data---g/100g

Level and Sex : 10 ppm Female

Animals Killed on Schedule (104 Week)

Experimental No. 82014

Animal Number	Final Body Weight (g)	Brain	Pituitary	Thyroid	Lung	Heart	Liver	Kidneys	(Day)
1101	227.8	0.87	0.0899	0.0104	0.413	0.366	4.10	1.00	740
1102	322.8	0.66	0.0081	0.0075	0.294	0.283	2.77	0.61	740
1103	371.8	0.54	0.0088	0.0056	0.240	0.250	2.91	0.55	740
1104	340.4	0.61	0.0048	0.0063	0.282	0.254	2.76	0.59	740
1106	334.3	0.62	0.0071	0.0083	0.280	0.274	2.68	0.60	740
1107	352.8	0.57	0.0219	0.0074	0.266	0.259	3.11	0.64	740
1108	385.2	0.51	0.0065	0.0077	0.232	0.274	2.86	0.60	740
1109	485.1	0.41	0.0027	0.0044	0.179	0.178	2.51	0.42	740
1111	338.8	0.61	0.0128	0.0081	0.274	0.280	3.08	0.65	740
1113	321.2	0.64	0.0050	0.0087	0.272	0.275	2.78	0.57	741
1114	310.5	0.66	0.0081	0.0077	0.293	0.294	3.05	0.67	741
1115	390.4	0.51	0.0048	0.0074	0.267	0.264	3.01	0.57	741
1116	379.4	0.53	0.0098	0.0070	0.239	0.232	2.83	0.57	741
1117	356.6	0.57	0.0038	0.0075	0.262	0.254	3.03	0.64	741
1118	280.8	0.72	0.0638	0.0083	0.313	0.305	3.01	0.71	741
1123	328.3	0.61	0.0043	0.0072	0.281	0.278	2.94	0.62	741
1125	270.5	0.71	0.0609	0.0068	0.342	0.303	3.55	0.82	741
1126	367.2	0.55	0.0064	0.0081	0.280	0.293	4.26	0.72	741
1128	316.9	0.62	0.0043	0.0066	0.269	0.260	2.95	0.65	742
1131	367.2	0.55	0.0060	0.0066	0.237	0.259	2.62	0.60	742
1132	361.7	0.55	0.0043	0.0068	0.284	0.228	3.21	0.57	742
1133	359.3	0.55	0.0055	0.0061	0.264	0.265	2.84	0.56	742

APPENDIX 9-1-F2-1 CONTINUED

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Organ Weight/Body Weight Ratio Data---g/100g

Level and Sex : 10 ppm Female

Animals Killed on Schedule (104 Week)

Experimental No. 82014

Animal Number	Final Body Weight (g)	Brain	Pituitary	Thyroid	Lung	Heart	Liver	Kidneys	(Day)
1135	364.7	0.55	0.0049	0.0079	0.270	0.243	2.99	0.63	742
1136	319.3	0.64	0.0083	0.0085	0.307	0.300	3.56	0.77	742
1138	336.4	0.61	0.0054	0.0066	0.250	0.238	2.79	0.58	742
1142	335.3	0.60	0.0053	0.0081	0.274	0.286	2.97	0.61	742
1143	341.3	0.59	0.0159	0.0069	0.285	0.304	3.16	0.67	743
1144	324.9	0.62	0.0070	0.0089	0.292	0.268	3.18	0.68	743
1145	339.7	0.61	0.0071	0.0084	0.264	0.259	3.01	0.63	743
1146	359.6	0.56	0.0068	0.0070	0.273	0.278	2.90	0.60	743
1148	340.3	0.61	0.0355	0.0082	0.324	0.379	3.74	0.72	743
1149	275.2	0.73	0.0424	0.0099	0.324	0.324	3.74	0.74	743
1151	340.9	0.58	0.0107	0.0084	0.277	0.292	3.24	0.68	743
Mean	340.81	0.602	0.01512	0.00755	0.2789	0.2757	3.095	0.644	
N	33	33	33	33	33	33	33	33	
S.D.	43.293	0.0801	0.020415	0.001175	0.03868	0.03728	0.4024	0.0982	

APPENDIX 9-1-F2-2

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Organ Weight/Body Weight Ratio Data---g/100g

Level and Sex : 10 ppm Female

Animals Killed on Schedule (104 Week)

Experimental No. 82014

Animal Number	Adrenals	Spleen	Ovaries	(Day)
1101	0.0282	0.320	0.023	740
1102	0.0189	0.151	0.021	740
1103	0.0179	0.147	0.017	740
1104	0.0156	0.195	0.036	740
1106	0.0186	0.213	0.016	740
1107	0.0185	0.160	0.016	740
1108	0.0154	0.115	0.024	740
1109	0.0146	0.132	0.015	740
1111	0.0209	0.190	0.019	740
1113	0.0188	0.166	0.021	741
1114	0.0177	0.189	0.022	741
1115	0.0188	0.699	0.020	741
1116	0.0156	0.173	0.623	741
1117	0.0199	0.233	0.025	741
1118	0.0188	0.201	0.020	741
1123	0.0173	0.200	0.024	741
1125	0.0227	0.245	0.028	741
1126	0.0209	0.445	0.036	741
1128	0.0177	0.202	0.022	742
1131	0.0145	0.188	0.022	742
1132	0.0158	0.131	0.016	742
1133	0.0168	0.313	0.021	742

APPENDIX 9-1-F2-2 CONTINUED

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Organ Weight/Body Weight Ratio Data---g/100g

Level and Sex : 10 ppm Female

Animals Killed on Schedule (104 Week)

Experimental No. 82014

Animal Number	Adrenals	Spleen	Ovaries	(Day)
1135	0.0182	0.209	0.020	742
1136	0.1538	0.177	0.025	742
1138	0.0174	0.224	0.023	742
1142	0.0200	0.188	0.026	742
1143	0.0222	0.189	0.017	743
1144	0.0187	0.166	0.023	743
1145	0.0176	0.221	0.016	743
1146	0.0178	0.157	0.025	743
1148	0.0255	0.260	0.017	743
1149	0.0269	0.305	0.027	743
1151	0.0194	0.170	0.019	743

Mean	0.02307	0.2204	0.0402
N	33	33	33
S.D.	0.023685	0.10780	0.10475

APPENDIX 9-1-F3-1

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Organ Weight/Body Weight Ratio Data---g/100g

Level and Sex : 100 ppm Female

Animals Killed on Schedule (104 Week)

Experimental No. 82014

Animal Number	Final Body Weight (g)	Brain	Pituitary	Thyroid	Lung	Heart	Liver	Kidneys	(Day)
1201	331.3	0.60	0.0038	0.0082	0.291	0.330	3.05	0.63	740
1203	316.5	0.62	0.0091	0.0072	0.342	0.373	3.36	0.66	740
1205	379.4	0.54	0.0080	0.0069	0.245	0.250	2.90	0.61	740
1206	361.1	0.55	0.0051	0.0060	0.248	0.265	2.55	0.57	740
1208	314.5	0.64	0.0048	0.0094	0.289	0.296	2.79	0.65	740
1210	338.9	0.56	0.0063	0.0080	0.271	0.278	2.92	0.60	740
1211	350.3	0.59	0.0052	0.0088	0.264	0.275	2.91	0.63	740
1213	329.7	0.62	0.0043	0.0166	0.280	0.242	3.05	0.66	740
1214	317.5	0.64	0.0049	0.0094	0.311	0.293	2.79	0.64	740
1216	290.5	0.71	0.0067	0.0095	0.323	0.310	2.94	0.66	741
1217	313.8	0.63	0.0100	0.0096	0.298	0.310	2.92	0.67	741
1219	320.9	0.64	0.0036	0.0082	0.270	0.266	2.76	0.62	741
1220	296.3	0.69	0.0052	0.0068	0.272	0.262	2.76	0.65	741
1222	319.4	0.63	0.0070	0.0073	0.337	0.282	4.59	0.61	741
1228	333.3	0.62	0.0058	0.0100	0.384	0.281	3.02	0.65	741
1229	344.3	0.58	0.0761	0.0054	0.301	0.302	4.15	0.76	741
1231	339.8	0.62	0.0105	0.0074	0.316	0.263	3.08	0.66	741
1232	322.6	0.61	0.0390	0.0055	0.285	0.314	3.34	0.69	741
1234	382.5	0.53	0.0054	0.0064	0.256	0.257	2.90	0.54	742
1237	315.2	0.63	0.0053	0.0075	0.288	0.304	3.06	0.70	742
1238	225.3	0.91	0.0083	0.0097	0.419	0.395	2.93	1.05	742
1239	364.9	0.52	0.0198	0.0066	0.267	0.263	3.53	0.63	742

APPENDIX 9-1-F3-1 CONTINUED

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Organ Weight/Body Weight Ratio Data---g/100g

Level and Sex : 100 ppm Female

Animals Killed on Schedule (104 Week)

Experimental No. 82014

Animal Number	Final Body Weight (g)	Brain	Pituitary	Thyroid	Lung	Heart	Liver	Kidneys	(Day)
1240	331.0	0.61	0.0051	0.0070	0.254	0.276	2.84	0.60	742
1242	344.3	0.59	0.0068	0.0075	0.273	0.267	2.96	0.63	742
1245	291.9	0.67	0.0073	0.0075	0.305	0.255	3.48	0.71	742
1246	345.0	0.58	0.0046	0.0069	0.294	0.272	2.89	0.62	743
1247	321.6	0.64	0.0104	0.0074	0.298	0.303	3.32	0.67	743
1248	388.5	0.52	0.0044	0.0051	0.252	0.255	2.85	0.57	743
1250	386.8	0.51	0.0051	0.0073	0.240	0.245	2.90	0.60	743
1251	292.9	0.69	0.0043	0.0067	0.310	0.276	2.98	0.65	743
1252	368.3	0.55	0.0059	0.0074	0.250	0.272	2.65	0.62	743
Mean	331.56	0.614	0.00994	0.00785	0.2914	0.2849	3.070	0.652	
N	31	31	31	31	31	31	31	31	
S.D.	33.923	0.0755	0.013927	0.002078	0.03997	0.03446	0.4173	0.0858	

APPENDIX 9-1-F3-2

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Organ Weight/Body Weight Ratio Data---g/100g

Level and Sex : 100 ppm Female

Animals Killed on Schedule (104 Week)

Experimental No. 82014

Animal Number	Adrenals	Spleen	Ovaries	(Day)
1201	0.0210	0.292	0.024	740
1203	0.0205	0.142	0.019	740
1205	0.0176	0.201	0.020	740
1206	0.0142	0.182	0.019	740
1208	0.0196	0.180	0.030	740
1210	0.0188	0.148	0.022	740
1211	0.0198	0.196	0.017	740
1213	0.0142	0.189	0.018	740
1214	0.0206	0.170	0.023	740
1216	0.0205	0.229	0.021	740
1217	0.0211	0.346	0.020	741
1219	0.0176	0.175	0.024	741
1220	0.0160	0.153	0.021	741
1222	0.0191	2.993	0.031	741
1228	0.0200	0.352	0.021	741
1229	0.0215	0.304	0.017	741
1231	0.0197	0.314	0.023	741
1232	0.0205	0.236	0.020	741
1234	0.0168	0.122	0.023	741
1237	0.0229	0.167	0.023	742
1238	0.0268	0.194	0.015	742
1239	0.0176	0.168	0.017	742

APPENDIX 9-1-F3-2 CONTINUED

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Organ Weight/Body Weight Ratio Data---g/100g

Level and Sex : 100 ppm Female

Animals Killed on Schedule (104 Week)

Experimental No. 82014

Animal Adrenals Spleen Ovaries

Number

				(Day)
1240	0.0181	0.194	0.023	
1242	0.0188	0.222	0.021	742
1245	0.0203	0.223	0.025	742
1246	0.0154	0.203	0.020	742
1247	0.0211	0.529	0.020	743
1248	0.0177	0.161	0.021	743
1250	0.0169	0.174	0.014	743
1251	0.0219	0.225	0.028	743
1252	0.0190	0.182	0.020	743

Mean	0.01921	0.3086	0.0213	
N	31	31	31	
S.D.	0.002591	0.50483	0.00382	

APPENDIX 9-1-F4-1

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Organ Weight/Body Weight Ratio Data---g/100g

Level and Sex : 1000 ppm Female

Animals Killed on Schedule (104 Week)

Experimental No. 82014

Animal Number	Final Body Weight (g)	Brain	Pituitary	Thyroid	Lung	Heart	Liver	Kidneys	(Day)
1301	329.4	0.60	0.0045	0.0068	0.279	0.257	2.91	0.63	740
1303	326.1	0.61	0.0049	0.0093	0.276	0.274	2.88	0.62	740
1304	318.8	0.63	0.0067	0.0079	0.279	0.293	3.24	0.67	740
1306	357.9	0.57	0.0066	0.0072	0.272	0.274	3.13	0.65	740
1307	273.2	0.73	0.0072	0.0149	0.400	0.368	3.70	0.84	740
1310	354.1	0.58	0.0072	0.0079	0.265	0.271	2.98	0.63	740
1313	319.6	0.60	0.0065	0.0079	0.277	0.303	3.10	0.65	740
1314	269.4	0.75	0.0067	0.0105	0.490	0.328	4.71	0.86	740
1316	275.8	0.72	0.0082	0.0092	0.336	0.311	2.97	0.69	740
1317	285.6	0.69	0.0041	0.0109	0.279	0.289	2.89	0.67	741
1320	310.2	0.62	0.0059	0.0086	0.274	0.247	2.58	0.56	741
1321	327.7	0.60	0.0047	0.0071	0.256	0.253	2.82	0.61	741
1322	357.9	0.58	0.0070	0.0060	0.297	0.250	3.08	0.66	741
1323	297.6	0.68	0.0037	0.0096	0.310	0.305	3.30	0.73	741
1324	325.6	0.63	0.0106	0.0090	0.376	0.292	3.10	0.60	741
1326	308.4	0.65	0.0120	0.0089	0.399	0.320	3.34	0.69	741
1327	328.1	0.61	0.0041	0.0087	0.282	0.276	3.06	0.61	741
1330	384.7	0.52	0.0034	0.0069	0.299	0.233	2.93	0.58	741
1331	363.7	0.54	0.0244	0.0070	0.272	0.280	3.28	0.69	742
1332	369.8	0.55	0.0077	0.0069	0.256	0.252	2.66	0.54	742
1334	342.1	0.59	0.0076	0.0072	0.267	0.268	2.81	0.60	742
1336	305.3	0.65	0.0096	0.0078	0.298	0.307	3.06	0.66	742

APPENDIX 9-1-F4-1 CONTINUED

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Organ Weight/Body Weight Ratio Data---g/100g

Level and Sex : 1000 ppm Female

Animals Killed on Schedule (104 Week)

Experimental No. 82014

Animal Number	Final Body Weight (g)	Brain	Pituitary	Thyroid	Lung	Heart	Liver	Kidneys	(Day)
1338	311.1	0.65	0.0062	0.0081	0.353	0.280	3.07	0.62	742
1339	337.6	0.58	0.0091	0.0089	0.267	0.283	3.06	0.67	742
1340	316.7	0.62	0.0057	0.0072	0.281	0.273	3.20	0.66	742
1341	379.0	0.53	0.0063	0.0073	0.263	0.240	3.52	0.68	742
1343	319.1	0.62	0.0233	0.0081	0.319	0.270	2.76	0.60	742
1345	320.9	0.62	0.0052	0.0076	0.291	0.305	3.39	0.68	743
1346	302.6	0.67	0.0044	0.0089	0.338	0.285	3.22	0.72	743
1347	357.0	0.56	0.0043	0.0096	0.302	0.334	3.82	0.64	743
1348	293.1	0.68	0.0078	0.0188	0.317	0.309	3.29	0.75	743
1349	309.1	0.63	0.0086	0.0084	0.328	0.331	3.35	0.76	743
1350	338.2	0.60	0.0048	0.0062	0.282	0.279	2.88	0.61	743
1351	385.2	0.53	0.0046	0.0070	0.265	0.250	2.83	0.55	743
1352	307.5	0.64	0.0047	0.0076	0.336	0.304	3.03	0.67	743
Mean	325.95	0.618	0.00738	0.00857	0.3052	0.2855	3.141	0.659	
N	35	35	35	35	35	35	35	35	
S.D.	30.735	0.0563	0.004578	0.002407	0.04993	0.03000	0.3838	0.0706	

APPENDIX 9-1-F4-2

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Organ Weight/Body Weight Ratio Data---g/100g

Level and Sex : 1000 ppm Female

Animals Killed on Schedule (104 Week)

Experimental No. 82014

Animal Adrenals Spleen Ovaries

Number

(Day)

1301	0.0193	0.193	0.023	740
1303	0.0187	0.231	0.033	740
1304	0.0214	0.175	0.028	740
1306	0.0182	0.150	0.022	740
1307	0.0294	0.652	0.028	740
1310	0.0168	0.147	0.021	740
1313	0.0220	0.255	0.029	740
1314	0.0260	1.739	0.033	740
1316	0.0212	0.199	0.023	740
1317	0.0210	0.275	0.019	740
1320	0.0194	0.183	0.026	741
1321	0.0167	0.166	0.020	741
1322	0.0183	0.466	0.017	741
1323	0.0191	0.199	0.018	741
1324	0.0199	1.344	0.019	741
1326	0.0200	0.891	0.013	741
1327	0.0168	0.222	0.026	741
1330	0.0154	0.497	0.028	741
1331	0.0181	0.195	0.012	741
1332	0.0138	0.132	0.021	742
1334	0.0201	0.209	0.026	742
1336	0.0209	0.188	0.025	742

APPENDIX 9-1-F4-2 CONTINUED

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Organ Weight/Body Weight Ratio Data---g/100g

Level and Sex : 1000 ppm Female

Animals Killed on Schedule (104 Week)

Experimental No. 82014

Animal Number	Adrenals	Spleen	Ovaries	(Day)
1338	0.0203	0.404	0.021	742
1339	0.0378	0.172	0.019	742
1340	0.0783	0.179	0.010	742
1341	0.0156	0.354	0.024	742
1343	0.0189	0.143	0.021	742
1345	0.0184	0.219	0.025	743
1346	0.0208	0.225	0.024	743
1347	0.0213	0.425	0.025	743
1348	0.0204	0.204	0.035	743
1349	0.0202	0.167	0.028	743
1350	0.0192	0.168	0.025	743
1351	0.0161	0.175	0.020	743
1352	0.0218	0.219	0.036	743
Mean	0.02176	0.3361	0.0235	
N	35	35	35	
S.D.	0.010696	0.34373	0.00599	

APPENDIX 9-2-M1-1

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Organ Weight/Body Weight Ratio Data---g/100g

Level and Sex : 0 ppm Male

Animals Killed in Extremis

Experimental No. 82014

Animal Number	Final Body Weight (g)	Brain	Pituitary	Thyroid	Lung	Heart	Liver	Kidneys	(Day)
7	343.2	0.59	0.0806	0.0081	0.358	0.349	2.90	0.76	721
8	349.1	0.69	0.0063	0.0093	0.579	0.271	3.21	0.77	687
10	389.1	0.38	0.0048	0.0086	0.369	0.325	2.84	0.72	608
13	554.5	0.39	0.0031	0.0053	0.239	0.238	2.58	0.50	714
16	351.0	0.63	0.0033	0.0048	0.644	0.304	5.08	0.71	435
21	480.2	0.45	0.0196	0.0049	0.273	0.238	3.56	0.61	726
22	361.1	0.59	0.0979	0.0089	0.344	0.293	3.35	0.84	670
24	389.9	0.57	0.0502	0.0079	0.317	0.271	2.70	0.76	673
27	480.6	0.44	0.0041	0.0058	0.230	0.218	2.17	0.53	623
29	344.6	0.62	0.0027	0.0054	0.278	0.263	2.19	0.62	356
34	394.2	0.57	0.0041	0.0069	1.457	0.295	4.45	0.75	686
43	435.3	0.51	0.0031	0.0078	0.351	0.335	3.29	13.63	701
49	354.3	0.60	0.0200	0.0436	0.323	0.313	3.51	0.83	729
50	338.5	0.66	0.0045	0.0088	0.376	0.259	2.31	0.72	706
52	365.9	0.58	0.0028	0.0045	0.301	0.286	1.98	0.62	347

APPENDIX 9-2-M1-2

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Organ Weight/Body Weight Ratio Data---g/100g

Level and Sex : 0 ppm Male

Animals Killed in Extremis

Experimental No. 82014

Animal Number	Adrenals	Spleen	Testes	(Day)
7	0.0171	0.182	0.52	721
8	0.0190	0.887	0.74	687
10	0.0199	0.280	0.87	608
13	0.0125	0.324	0.75	714
16	0.0179	2.373	0.78	435
21	0.0131	0.247	0.69	726
22	0.0207	0.260	0.53	670
24	0.0294	0.192	1.11	673
27	0.0103	0.137	0.94	623
29	0.0126	0.170	0.90	356
34	0.0466	2.673	0.70	686
43	0.0130	0.407	0.24	701
49	0.0278	0.240	1.61	729
50	0.0156	0.261	1.75	706
52	0.0134	0.137	0.77	347

APPENDIX 9-2-M2-1

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Organ Weight/Body Weight Ratio Data---g/100g

Level and Sex : 10 ppm Male

Animals Killed in Extremis

Experimental No. 82014

Animal Number	Final Body Weight (g)	Brain	Pituitary	Thyroid	Lung	Heart	Liver	Kidneys	(Day)
101	554.2	0.39	0.0037	0.0059	0.252	0.204	2.81	0.46	712
105	302.5	0.69	0.0657	0.0085	0.456	0.307	2.55	0.80	665
110	504.8	0.44	0.0043	0.0081	0.300	0.239	3.75	0.60	721
112	578.0	0.38	0.0023	0.0039	0.226	0.208	2.91	0.44	537
115	383.2	0.56	0.0058	0.0089	0.836	0.301	4.59	0.86	711
118	407.8	0.76	0.0024	0.0039	0.526	0.280	3.21	0.51	519
119	276.5	0.76	0.0071	0.0090	0.514	0.327	3.97	1.10	697
123	438.5	0.51	0.0391	0.0091	0.303	0.268	2.80	0.70	715
125	408.2	0.55	0.0098	0.0077	0.315	0.329	2.85	1.02	644
126	319.1	0.72	0.0052	0.0096	0.446	0.301	5.00	0.80	636
133	378.1	0.59	0.0038	0.0065	0.641	0.313	4.41	0.68	613
135	378.3	0.58	0.0035	0.0071	0.385	0.325	3.33	0.77	666
139	344.2	0.65	0.0031	0.0050	0.711	0.311	4.22	0.70	396
150	384.6	0.57	0.0144	0.0086	0.628	0.384	4.10	0.80	690

APPENDIX 9-2-M2-2

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Organ Weight/Body Weight Ratio Data---g/100g

Level and Sex : 10 ppm Male

Animals Killed in Extremis

Experimental No. 82014

Animal Number	Adrenals	Spleen	Testes	(Day)
101	0.0099	0.168	0.59	712
105	0.0212	0.281	0.32	665
110	0.0142	0.418	0.77	721
112	0.0101	0.094	0.31	537
115	0.0175	4.537	0.36	711
118	0.0106	16.599	0.22	519
119	0.0196	0.400	1.62	697
123	0.0152	0.136	0.54	715
125	0.0254	0.266	0.58	644
126	0.0190	0.278	0.84	636
133	0.0221	2.739	0.76	613
135	0.0265	0.228	0.51	666
139	0.0204	3.260	0.73	396
150	0.0141	0.591	0.40	690

APPENDIX 9-2-M3-1

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Organ Weight/Body Weight Ratio Data---g/100g

Level and Sex : 100 ppm Male

Animals Killed in Extremis

Experimental No. 82014

Animal Number	Final Body Weight (g)	Brain	Pituitary	Thyroid	Lung	Heart	Liver	Kidneys	(Day)
204	730.8	0.30	0.0021	0.0040	0.174	0.159	2.89	0.39	631
223	404.3	0.55	0.0036	0.0078	0.370	0.313	3.66	0.38	463
244	399.5	0.54	0.0033	0.0054	0.438	0.314	3.46	0.63	694
245	352.3	0.58	0.0594	0.0072	0.466	0.330	4.20	0.97	671
247	586.5	0.37	0.0024	0.0097	0.202	0.199	2.32	0.44	540

APPENDIX 9-2-M3-2

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Organ Weight/Body Weight Ratio Data---g/100g

Level and Sex : 100 ppm Male
Animals Killed in Extremis

Experimental No. 82014

Animal Number	Adrenals	Spleen	Testes	(Day)
204	0.0085	0.151	0.44	631
223	0.0320	0.953	0.51	463
244	0.0139	3.268	1.16	694
245	0.0215	0.229	0.30	671
247	0.0039	0.162	0.51	540

APPENDIX 9-2-M4-1

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Organ Weight/Body Weight Ratio Data---g/100g

Level and Sex : 1000 ppm Male

Animals Killed in Extremis

Experimental No. 82014

Animal Number	Final Body Weight (g)	Brain	Pituitary	Thyroid	Lung	Heart	Liver	Kidneys	(Day)
307	398.4	0.59	0.0027	0.0052	0.682	0.308	3.21	0.68	690
309	370.1	0.61	0.0021	0.0060	0.291	0.265	2.05	0.51	574
311	402.9	0.54	0.0047	0.0087	0.402	0.261	9.22	0.69	720
312	382.8	0.58	0.0045	0.0080	0.373	0.309	2.25	0.70	559
318	479.8	0.45	0.0034	0.0065	0.237	0.273	1.79	0.51	610
321	355.9	0.58	0.0688	0.0060	0.334	0.277	3.25	0.80	711
322	408.8	0.53	0.0040	0.0056	0.494	0.277	6.68	0.66	588
323	391.3	0.55	0.0065	0.0066	0.343	0.245	2.48	0.63	687
325	382.7	0.57	0.0060	0.0085	0.714	0.351	3.68	0.77	694
329	406.9	0.55	0.0053	0.0079	0.966	0.275	7.23	0.79	713
332	406.5	0.56	0.0038	0.0061	0.531	0.318	3.02	0.69	659
339	377.4	0.59	0.0053	0.0089	0.366	0.299	2.23	0.63	712
349	357.1	0.62	0.0075	0.0104	0.645	0.337	4.38	0.85	729

APPENDIX 9-2-M4-2

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Organ Weight/Body Weight Ratio Data----g/100g

Level and Sex : 1000 ppm Male

Animals Killed in Extremis

Experimental No. 82014

Animal Number	Adrenals	Spleen	Testes	(Day)
307	0.0208	3.134	0.63	690
309	0.0120	0.166	0.64	574
311	0.0226	1.166	0.42	720
312	0.0164	0.196	0.73	559
318	1.0629	0.270	0.81	610
321	0.0167	0.251	0.50	711
322	0.0152	2.381	0.51	588
323	0.0130	0.369	1.67	687
325	0.0193	1.399	0.81	694
329	0.0235	0.923	0.47	713
332	0.0124	1.374	0.59	659
339	0.0165	0.245	1.18	712
349	0.0288	0.460	1.35	729

APPENDIX 9-2-F1-1

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Organ Weight/Body Weight Ratio Data---g/100g

Level and Sex : 0 ppm Female

Animals Killed in Extremis

Experimental No. 82014

Animal Number	Final Body Weight (g)	Brain	Pituitary	Thyroid	Lung	Heart	Liver	Kidneys	(Day)
1004	221.6	0.87	0.1518	0.0089	0.415	0.348	3.15	0.93	616
1005	220.1	0.93	0.1547	0.0100	0.460	0.399	3.22	1.02	691
1006	234.1	0.85	0.0991	0.0070	0.351	0.336	3.01	0.87	616
1007	194.6	1.00	0.0059	0.0090	0.431	0.414	2.69	0.87	596
1014	222.6	0.90	0.0077	0.0066	0.400	0.335	2.73	0.76	651
1015	291.8	0.66	0.0493	0.0073	0.272	0.300	2.21	0.58	547
1027	304.5	0.76	0.0061	0.0110	0.417	0.299	2.32	0.69	645
1028	299.1	0.67	0.0095	0.0079	0.642	0.285	5.25	0.69	687
1033	293.6	0.71	0.0076	0.0156	0.562	0.332	3.39	0.72	715
1036	275.9	0.75	0.0080	0.0124	0.337	0.314	2.59	0.67	694
1037	270.1	0.74	0.0064	0.0086	0.619	0.345	3.44	0.72	721
1043	289.4	0.70	0.0032	0.0084	0.506	0.290	4.82	0.80	708
1045	317.7	0.62	0.0048	0.0057	0.277	0.228	2.56	0.59	572
1049	198.8	0.99	0.0151	0.0085	0.740	0.460	4.45	1.05	686
1050	296.4	0.68	0.0046	0.0081	0.637	0.363	2.91	0.72	499
1051	258.6	0.76	0.0080	0.0068	0.744	0.397	5.71	0.81	733

APPENDIX 9-2-F1-2

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Organ Weight/Body Weight Ratio Data---g/100g

Level and Sex : 0 ppm Female
Animals Killed in Extremis

Experimental No. 82014

Animal Number	Adrenals	Spleen	Ovaries	(Day)
1004	0.0298	0.325	0.013	616
1005	0.0351	0.356	0.030	691
1006	0.0261	0.230	0.014	616
1007	0.0351	0.250	0.028	596
1014	0.0253	0.218	0.029	651
1015	0.0198	0.139	0.022	547
1027	0.0247	0.611	0.021	645
1028	0.0212	2.004	0.022	687
1033	0.0188	1.475	0.054	715
1036	0.0289	0.225	0.033	694
1037	0.0229	2.074	0.020	721
1043	0.0302	2.241	0.022	708
1045	0.0286	0.182	0.020	572
1049	0.0563	0.201	0.015	686
1050	0.0229	3.106	0.030	499
1051	0.0302	3.809	0.014	733

APPENDIX 9-2-F2-1

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Organ Weight/Body Weight Ratio Data---g/100g

Level and Sex : 10 ppm Female

Animals Killed in Extremis

Experimental No. 82014

Animal Number	Final Body Weight (g)	Brain	Pituitary	Thyroid	Lung	Heart	Liver	Kidneys	(Day)
1105	262.5	0.75	0.0869	0.0074	0.347	0.346	3.14	0.82	722
1112	252.7	0.77	0.1210	0.0071	0.365	0.351	4.57	1.12	550
1119	282.8	0.69	0.0079	0.0069	0.675	0.394	3.09	0.70	561
1120	264.4	0.77	0.0228	0.0069	0.794	0.346	4.51	0.75	659
1121	498.2	0.40	0.0079	0.0060	0.213	0.208	3.14	0.49	687
1122	267.7	0.74	0.0075	0.0084	0.560	0.413	3.81	0.80	676
1124	328.3	0.61	0.0058	0.0063	0.411	0.310	3.19	0.64	735
1127	282.1	0.73	0.0061	0.0121	0.302	0.273	2.38	0.78	638
1129	256.2	0.77	0.0540	0.0072	0.301	0.299	2.81	0.71	659
1134	225.1	0.93	0.0259	0.0115	0.903	0.392	4.31	1.04	680
1137	280.7	0.73	0.0041	0.0090	0.638	0.391	3.94	0.66	713
1139	273.8	0.75	0.0077	0.0096	0.631	0.454	3.37	0.80	680
1140	270.8	0.75	0.0122	0.0977	0.784	0.340	5.11	0.92	721
1141	279.5	0.72	0.0130	0.0077	4.142	0.330	5.36	0.70	666
1147	254.2	0.79	0.0052	0.0075	0.622	0.423	2.76	0.79	629
1150	236.6	0.80	0.1070	0.0112	0.332	0.314	2.76	0.85	631
1152	261.7	0.78	0.0216	0.0111	0.354	0.351	3.09	0.79	729

APPENDIX 9-2-F2-2

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Organ Weight/Body Weight Ratio Data---g/100g

Level and Sex : 10 ppm Female

Animals Killed in Extremis

Experimental No. 82014

Animal Number	Adrenals	Spleen	Ovaries	(Day)
1105	0.0228	0.260	0.016	722
1112	0.0324	0.321	0.012	550
1119	0.0224	2.514	0.021	561
1120	0.0255	5.048	0.010	659
1121	0.0237	0.309	0.008	687
1122	0.0286	1.680	0.011	676
1124	0.0197	3.098	0.010	735
1127	0.0281	0.168	0.026	638
1129	0.0248	0.266	0.014	659
1134	0.0299	2.372	0.013	680
1137	0.0302	1.797	0.022	713
1139	0.0192	5.125	0.033	680
1140	0.0274	2.936	0.046	721
1141	0.0359	4.153	0.014	666
1147	0.0342	1.134	0.029	629
1150	0.0297	0.205	0.022	631
1152	0.0289	0.244	0.033	729

APPENDIX 9-2-F3-1

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Organ Weight/Body Weight Ratio Data---g/100g

Level and Sex : 100 ppm Female

Animals Killed in Extremis

Experimental No. 82014

Animal Number	Final Body Weight (g)	Brain	Pituitary	Thyroid	Lung	Heart	Liver	Kidneys	(Day)
1202	265.7	0.73	0.0098	0.0085	0.565	0.388	6.00	0.78	657
1207	292.2	0.66	0.0117	0.0070	0.597	0.373	3.86	0.65	666
1209	266.1	0.75	0.0082	0.0086	0.608	0.296	7.16	0.84	658
1212	224.4	0.89	0.0894	0.0104	0.425	0.414	3.12	0.95	617
1215	201.3	0.97	0.1889	0.0085	0.393	0.323	2.70	0.78	427
1218	256.0	0.79	0.0173	0.0148	0.379	0.343	3.58	0.80	728
1221	247.5	0.77	0.0065	0.0076	0.607	0.302	4.70	0.73	560
1223	239.1	0.82	0.0074	0.0179	0.850	0.452	4.41	0.85	720
1225	285.6	0.71	0.0078	0.0108	1.060	0.346	4.13	0.79	718
1226	302.4	0.65	0.0083	0.0089	0.322	0.343	4.23	0.90	732
1227	241.3	0.87	0.0281	0.0132	0.316	0.293	2.57	0.76	575
1230	220.9	0.88	0.0047	0.0077	0.357	0.234	2.93	0.64	607
1235	264.1	0.73	0.0074	0.0059	0.508	0.511	3.40	0.77	665
1236	283.0	0.66	0.0051	0.0095	0.328	0.334	2.40	0.78	727
1244	248.5	0.79	0.0082	0.0095	0.419	0.285	3.25	0.72	609

APPENDIX 9-2-F3-2

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Organ Weight/Body Weight Ratio Data---g/100g

Level and Sex : 100 ppm Female

Animals Killed in Extremis

Experimental No. 82014

Animal Number	Adrenals	Spleen	Ovaries	(Day)
1202	0.0171	1.548	0.013	657
1207	0.0202	2.763	0.014	666
1209	0.0291	3.964	0.031	658
1212	0.0327	0.273	0.023	617
1215	0.0279	0.180	0.013	427
1218	0.0279	0.190	0.032	728
1221	0.0348	4.687	0.068	560
1223	0.0243	5.412	0.010	720
1225	0.0258	4.463	0.013	718
1226	0.0354	0.178	0.029	732
1227	0.0276	0.180	0.016	575
1230	0.0290	0.121	M	607
1235	0.0265	1.583	0.013	665
1236	0.0280	0.092	0.019	727
1244	0.0320	0.461	0.017	609

M : Not measured because of operational mistake

APPENDIX 9-2-F4-1

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Organ Weight/Body Weight Ratio Data---g/100g

Level and Sex : 1000 ppm Female

Animals Killed in Extremis

Experimental No. 82014

Animal Number	Final Body Weight (g)	Brain	Pituitary	Thyroid	Lung	Heart	Liver	Kidneys	(Day)
1305	211.5	0.93	0.0140	0.0109	0.638	0.422	3.95	1.02	690
1308	409.8	0.49	0.0037	0.0064	0.297	0.218	4.50	0.54	722
1309	304.0	0.66	0.0065	0.0096	0.649	0.303	5.00	0.82	732
1311	305.6	0.65	0.0054	0.0085	0.285	0.241	2.53	0.62	671
1312	283.7	0.71	0.0079	0.0112	0.384	0.447	3.81	0.75	652
1318	345.2	0.60	0.0063	0.0115	0.276	0.218	2.86	0.62	632
1319	256.8	0.79	0.0164	0.0130	0.544	0.488	3.32	0.74	735
1325	243.5	0.82	0.0070	0.0124	0.493	0.337	4.43	1.00	683
1328	289.4	0.64	0.0900	0.0064	0.315	0.305	3.89	0.80	736
1333	283.2	0.71	0.0064	0.0093	0.344	0.300	2.78	0.69	736
1335	251.9	0.76	0.0859	0.0066	0.369	0.323	3.45	0.80	728
1337	327.4	0.59	0.0112	0.0077	0.239	0.286	2.61	0.60	694
1344	273.5	0.73	0.0153	0.0076	0.460	0.301	2.67	0.69	718

APPENDIX 9-2-F4-2

CHRONIC AND CARCINOGENIC INHALATION TOXICOLOGICAL STUDY
OF METHANOL IN F344 RATS

Individual Organ Weight/Body Weight Ratio Data---g/100g

Level and Sex : 1000 ppm Female

Animals Killed in Extremis

Experimental No. 82014

Animal Number	Adrenals	Spleen	Ovaries	(Day)
1305	0.0367	2.426	0.026	690
1308	0.0190	0.783	0.014	722
1309	0.0354	2.495	0.045	732
1311	0.0222	0.194	0.023	671
1312	0.0483	1.853	0.026	652
1318	0.0300	0.344	0.033	632
1319	0.0225	0.042	0.018	735
1325	0.0496	1.135	0.029	683
1328	0.0257	0.208	0.007	736
1333	0.4835	0.236	0.016	736
1335	0.0222	0.235	0.011	728
1337	0.0246	0.153	0.015	694
1344	0.0162	3.025	0.095	718